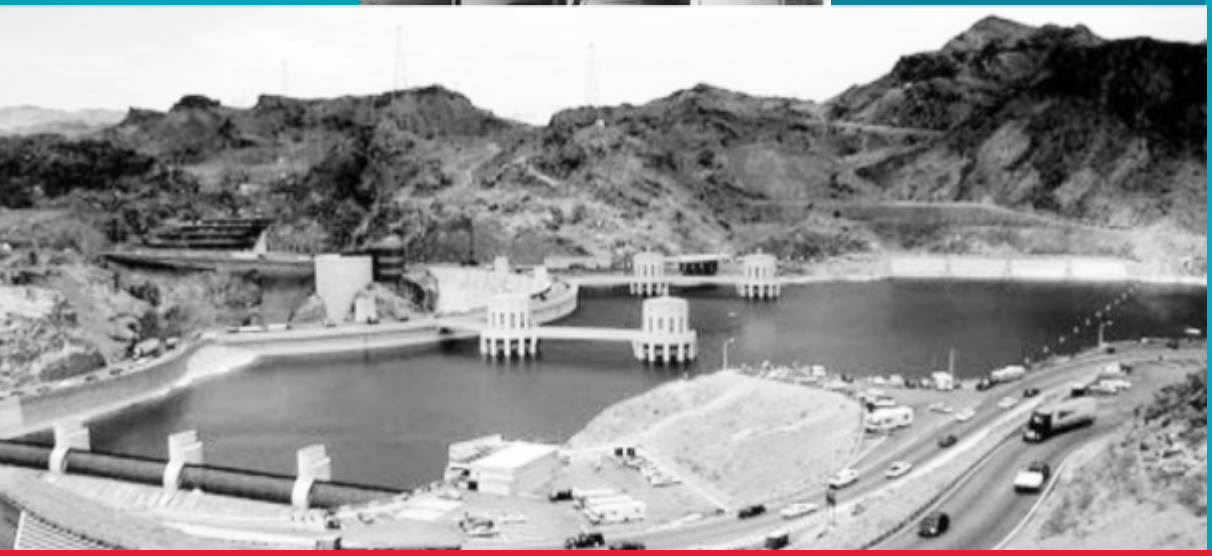

JEOTEST

TESTING EQUIPMENT FOR CONSTRUCTION MATERIALS

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ABAUT

Concrete, Aggregate, Soil, Rocks And Asphalt Testing Equipment Production As Well As Import, Export and technical assistance to Serving Our company, Expert Staff Customer Satisfaction giving priority to quality and Goods Receiving meet expectations in the International Standard Self-Priority Policy as adopted.

We produce all products of Engineering and R & D Studies are conducted within our company.

Electronic Control Unit we use our devices and software are designed and produced by us. Our company is located in the High Technology Products Using the Power. Serial Addition To Our Quality Control and Production of Special Test Systems for Use in R & D Studies and designed Devices, Software And Hardware Included All Devices To Be is about to produce its own structure. Products Large Construction Site, Ready Mixed Concrete Production Plant, Cement Factory, Brick Factories, Tile Factories, Flooring Factory, Production Facilities in State Institutions Supervision And AR-in D Laboratories, Construction of Universities, mining, machinery, in Geological Engineering as Department Research & Development and Quality control is being used for. Our company found in Turkey Private Sector, Government organizations and universities as well as the World Market and End Users to both the manufacturer and marketing company products and services make. Testers Against Sector Customer Expectations Responsible, Self Excellence in Business Process Targeting Our company constantly develops all the appropriate High Reliability Standard Time is the Sun in the Consumer Products Operation.

JEOTEST World Brand is advancing with sure steps Way of Being

Becoming Key Component of Concrete Building Materials, Concrete Quality and Strength of All Forms of Hair Structure Performance is very important. The attention to detail in quality concrete production and Haylie More information is needed. JEOTEST LTD STI International and National Standards only appropriate but also in Aggregate Concrete Testing Equipment, Cement And Steel Tester offers.

Customer Requirements Integrated Device Development, design and manufacture of Plant Capacity And Installation And JEOTEST owner of All Forms of Engineers to Provide Comprehensive Study Material Testing Equipment Soil Mechanics Test Systems Sun. Testers in this Section Latest written specifications and Standards Designed and manufactured to fit.

Concrete, Asphalt, Paving and fillers such as Building And Construction Materials Consists Largely of aggregates. General Aggregate Testing General and geometric, mechanical and physical, thermal and also can be grouped as climate Properties. These groups of Particle Size Analysis, Shape And Structure Analysis, Volume And Strength Analysis and Chemical Change Experiments jam as many experiments are inside. JEOTEST, TS EN And like many international and national standards appropriate to the experimental equipment of all Sun.

Basic Use of Bituminous Materials in Road Construction in Engineering. Bituminous Materials mainly consists of two mixture; JEOTEST LTD STI binder and aggregate. Density of Road Traffic Conditions in today's higher performance demands are increasing. As a result of this experiment Road Building Materials to not only Component Detection Assay Performance Characteristics at the same time be subjected to said. Testers in this Part is suitable to both Turkey and the new European Standard.

Various known has a special guest Cement Binders Inside And especially developed to meet the cement mixture is further enhanced Structure Requirements Special bristle. Testers in this Section Latest written specifications and Standards Designed and manufactured to suit

ABAUT

JEOTEST LTD, Concrete, Aggregates, Concrete, Asphalt And as Supporting Equipment & Accessories in Steel experiment is required for all General Laboratory Equipment Supplier

This Section Steel and includes Universal Testing Machine and Accessories Metal Accessories that are used in mechanical experiments. Used in Reinforced Concrete Structure Steel, Stress and should be evaluated in bending experiments. JEOTEST LTD STI Tests for this device and its accessories are suitable with Sun

OUR GOAL
Owned Accumulation we all, our experience and technology to our customers "Seamless Service" philosophy of Transportation will.

OUR PRINCIPLE
Well-trained in the subject, working with experienced staff; Business Management Quality forefront Works And our commitment to high quality in a timely and complete.

Access to Knowledge, Knowledge Generation and Information Age has not discussed the Importance of Using Speed And now Can you be just as effective Organize Important is moving. The Speed and flexibility in every field, Our method, our system, our Human Resources, Information Systems Infrastructure is to work with our organization and our Response.

Our initial goal without compromising with quality, has been committed to customer satisfaction, competitive, to all persons and organizations in which contact with honest and respectful relationships we aim to be in the hereafter Resume. We believe this goal as combining with our Contemporary Governance Principles of Success Brought Age in the coming century we will all embrace More JEOTEST LTD STI.

CORPORATE POLICY
The day we started our activities today reach our targets and we know the right way Forever This is progress.

JEOTEST
TESTING EQUIPMENT
FOR CONSTRUCTION MATERIALS

CERTIFICAS

INDEX

01

GENERAL TESTING EQUIPMENTS

Testing Sieves

Standards

EN 933-2; ISO 565, 3310-1, 3310-2; ASTM E11

Product Code

JG-066/01 Testing Sieves Ø 200 mm x 60 mm
JG-066/02 Testing Sieves Ø 300 mm x 60 mm
JG-066/03 Testing Sieves Ø 100 mm x 60 mm

Used for bending and straightening steel reinforcing bars.

Standard Mesh	Sieve size	Standard Mesh	Sieve size
4 inch	100 mm	No:10	2 mm
3.1/2 inch	90 mm	No:12	1.7mm
3 inch	75 mm	No:14	1.4mm
2.1/2 inch	63 mm	No:16	1.18mm
2.1/2 inch	53 mm	No:18	1 mm
2 inch	50 mm	No:20	0.850 mm
1.3/4 inch	45 mm	No: 25	0.710 mm
1.1/2 inch	37.5 mm	No: 30	0.600 mm
1.1/4 inch	31.5 mm	No: 35	0.500 mm
1 inch	25 mm	No: 40	0.425 mm
7/8 inch	22.4 mm	No: 45	0.355 mm
3/4 inch	19 mm	No: 50	0.300 mm
5/8 inch	16 mm	No: 60	0.250 mm
0.530 inch	13.2 mm	No: 70	0.212 mm
1/2 inch	12.5 mm	No: 80	0.180 mm
7/16 inch	11.2 mm	No: 100	0.150 mm
3/8 inch	9.5 mm	No: 120	0.125 mm
5/16 inch	8 mm	No: 140	0.106 mm
1/4 inch	6.3 mm	No: 170	0.090 mm
1/8 inch	3.17 mm	No: 200	0.075 mm
No:4	4.75 mm	No: 230	0.063 mm
No:5	4 mm	No: 270	0.053 mm
No:6	3.25 mm	No: 325	0.045 mm
No:7	2.8 mm	No: 400	0.038 mm
No:8	2.36 mm	No: 450	0.032 mm
		No: 500	0.025 mm

Washing Sieve

Product Code

JG-070 Washing Sieve

It is used for testing fine grain materials.
These sieves are made out of stainless steel and there are two different sizes available 200 mm diameter; 200, 100 mm height

ALPINE Air Jet Sieves

Standards

ASTM E 11; BS 410

Product Code

JÇ- 032/1 ALPINE Air Jet Sieves

Ideal for screening of cement, kaolin, drugs, spices, flour powder, etc. Support air jet test sieves of Ø200mm, available from 32µm and 200µm.

Flakiness Sieves

Standards

BS 812

Product Code

JA-013/AG Flakiness Sieves

Used to determine particle size shape or geometrical characteristics of the aggregates.
Each sieve made from heavy gauge steel sheets in dimensions specified in the standards and coated with electrostatic paint.

Model	Slot Size	Dimensions(mm)	Weight(kg)
JA -0 1 3 /01	4.9	320x195x30	1.6
JA -013 /02	7.2	340x215x40	1.7
JA -013 /03	10.2	360x235x50	1.8
JA -013 /04	14.4	380x255x60	2.0
JA -013 /05	19.7	400x275x70	2.1
JA -013 /06	26.3	420x295x80	2.6
JA -013 /07	33.9	470x330x100	3.1

Grid Sieves

Standards

EN 933-1; NF P18-561; NLT 354; UNI 8520

Product Code

JA-014 Grid Sieves
Used to determine the flakiness index of the aggregates.
Consists of electrostatic painted frame and 5 mm diameter stainless steel bars.

Model	Aperture(mm)	Dimensions(mm)	Weight(kg)
JA -014/ 0 1	2.5	380x320x80	3.3
JA -014/ 02	3.15	380x320x80	3.3
JA -014/ 03	4	380x320x80	3.8
JA -014/ 04	5	380x320x80	3.8
JA -014/ 05	6.3	380x320x80	3.7
JA -014/ 06	8	380x320x80	3. 6
JA -014/ 07	10	380x320x80	3.4
JA -014/ 08	12.5	380x320x80	3.2
JA -014/ 09	16	380x320x80	4
JA -014/ 10	20	380x320x80	3.2
JA -014/ 1 1	25	380x320x80	3.2
JA -014/ 12	31.5	380x320x80	2.9
JA -014/ 13	40	380x320x80	2.7

Riffle Box

Standards

ASTM C72 ; EN 933-3

Product Code

JA-015 Riffle Box
Used for dividing aggregates into representative sample increment for testing.
Electrostatic painted and manufactured in the slot widths and number of slots as required in the standards.
Riffle boxes are supplied complete with 2 containers with handles.

Model	Capacity (lt)	Weight(kg)
JA -015/01	7	2.2
JA -015/02	3	6.2
JA -015/03	15	8
JA -015/04	19	9.5
JA -015/05	25	12.5
JA -015/06	30	19.9
JA -015/07	38	21.0
JA -015/08	45	24.8
JA -015/09	50	26.8
JA -015/010	64	32.1
JA -015/11	75	35.3

Bulk Density Measures

Standards

EN 12350-6; EN 1097-3; BS 1881:107
ASTM C29; ASTM C138

Bulk Density Measures are manufactured from heavy gauge steel complying with the related standard,coated against corrosion.

Model	JB - 031	JB - 032	JB - 033	JB - 034	J B - 035
Capacity(lt)	3	7	10	15	30
Weight (kg)	4	5	8	12	18

Specific Gravity Frame

Standards

EN 1097-6 ; EN 12390-7

Product Code

JB-050/1 Specific Gravity Frame.
JB-050/2 Craddle.
JB-050/3 Water Tank.

Used in conjunction with a suitable electronic balance for specific gravity determination of fresh and hardened concrete and aggregates. A purpose built robust frame designed to support the electronic balance. The lower part of the frame incorporates a moving platform, which carries the water tank allowing the test specimens to be weighed in both air and water. The balance is not included in the test set and must be ordered separately.
Any type of electronic balance fitted with under-bench weighing facility can be used.
Lifting device, cradle and plastic water tank are supplied complete with frame.
Dimensions:400x500x970 mm.
Weight : 25.5 Kg

Micron Air-Jet Sieve Shaker

Standards

EN 933-10

Product Code

JÇ- 032 Micron Air-Jet Sieve Shaker
JÇ- 032/1 ALPINE Air Jet Sieves
The Air Jet Machine is suitable for sieving powder and dry grain products by obtaining sieving results between 5 to 4000 microns, by using appropriate test sieves 200 mm dia. Its working foundation is based on the use of air that tug thin particles to make them go through the sieve.

Allowing to perform many tests (some tens) before being replaced. The digital electronic microprocessor panel can adjust:
- The sieving time from 0 to 99 minutes
- The vacuum range from 0 to 99 bar
Power supply: 230V 1ph 50Hz
Dimensions: 450 x 600 x 400 mm
Weight: 25 kg

Universal Sample Splitter

Standards

EN 932/1;BS 1377;ASTM C702
ASTM C136;D271-D421

Product Code

JA-016 Universal Sample Splitter

Designed for the reduction of test samples which are too large in volume to be conveniently handled. It handles any material from sand sizes up to dia. 108 mm. Each chute bar is 12 mm wide so that openings of 12-24-36-48-60-72-84-96-108 mm are possible.
Complete with two collecting pans. **Clam shell hopper: 30 litres capacity**

Sieve Shaker

Standards

EN 932-5; ISO 3310-1

Product Code

JG-035/1 Sieve Shaker
JG-036/1 Sieve Shaker with frequency control

The sieve shaker imparts a circular motion to the material being sieved so that it makes a slow progression over the surface of the sieve. At the same time a feature of the rapid vertical movement agitates the sample which helps to clear the sieve apertures and avoid them blinding.
The shaker is fitted with timer which can be pre-set for any duration up to 60 minutes.
This unit will accept 200mm and 300mm diameter sieves.
Wet sieving kits in the appropriate sizes may be used with this shaker.
220 V, 50-60 Hz, 1 ph
Dimensions:510x510x370 mm
Weight : 70 kg

Sieve Shaker

Standards

EN 932-5; ISO 3310-1

Product Code

JG-035/2 Sieve Shaker
JG-036/2 Sieve Shaker with frequency control

The sieve shaker imparts a circular motion to the material being sieved so that it makes a slow progression over the surface of the sieve. At the same time a feature of the rapid vertical movement agitates the sample which helps to clear the sieve apertures and avoid them blinding. The shaker is fitted with timer which can be pre-set for any duration up to 60 minutes.
This unit will accept 200mm and 300mm diameter sieves.
Wet sieving kits in the appropriate sizes may be used with this shaker.
220 V, 50-60 Hz, 1 ph
Dimensions: 1010x500x410 mm
Weight : 85 kg

Hight Capacity Sieve Shaker

Standards

TS 1900; EN 932-5; ASTM C127,C136

Product Code

JG-037 Hight Capacity Sieve Shaker

Designed for sieving considerable quantities of any material.
The screen shaker accepts up to 30 litres (60 ÷ 70 Kg) of sample.
Sturdy made, the machine can hold six screen trays and dust pan.
Supplied complete with dust pan, but "without" screen trays to be ordered separately.Provided of timer 0-60 minutes.
Power supply 220-240 V 50 Hz 1ph 750 W.
Dimension : 585 x 790 x 850 mm
Weight : 180 Kg

Drying Oven

Standards

ASTM C 127; ASTM C 136; ASTM D1557; ASTM D1559
ASTM D558; ASTM D559; ASTM D560; ASTM D698
BS 1377:1 ; BS 1924:11 ; EN 1097-5 ; EN 932-5

Product Code

JG-038 Drying Oven 50 lt
JG-039 Drying Oven 120 lt
JG-040 Drying Oven 250 lt
JG-041 Drying Oven 500 lt
JG-042 Drying Oven 750 lt

These ovens have been designed for drying asphalt, soil, rock concrete and aggregate specimens. The models we propose are available in 50,120,250,500,750 liter capacities. Temperature range is from ambient to 250°C with precision of 1 °C. The interior is made from stainless steel and the exterior is robustly constructed from sheet steel finished in powder coated paint. The insulated chambers are made from clad mild steel.
All units are fan circulated and fitted with direct reading digital control unit. 2,3 or 4 shelves supplied according to oven capacity.
220V / 50Hz or 380V / 50Hz

Model	Capacity Litre	Weight (kg)
JG - 038	50	35
JG - 03 9	120	50
JG - 0 40	250	70
JG - 0 41	500	100
JG - 0 42	750	140

Muffle Furnaces

Standards

EN 196-2, 196-21, 459-2

Product Code

JG-043 Muffle furnace 1,5 liter
JG-044 Muffle furnace 3,5 liter
JG-045 Muffle furnace 7 liter

JEOTEST Series general purpose furnaces have maximum operating temperature of 1100℃ and can be used for a wide range of applications in many different sectors such as metal, ceramic and food industry, jewelry and dentistry. Their perfect design is ideal for:
-Ashing organic and inorganic samples.
-Firing and sintering of ceramic , stoneware and porcelain.
-Melting, annealing, hardening, tempering, stress relieving and heat treatments of ferrous and non-ferrous metals.
-Thermal aging.
-Chemical decomposition.
-Thermal shock testing.
-High temperature tests of compenents or finish products.

The chamber of JEOTEST Series furnaces is made of vacuumed fiber board and refractory bricks. By means of the high grade insulation made of fiber board, very good temperature homogeneity is obtained in the chamber . The chimney for discharging the vapors occuring during the operation is offered as standard. JEOTEST Series furnaces are equipped with PID microprocessor control system which has temperature displays for actual and set temperatures. .
-Growth rate per minute.

-4 Pcs backbone of the program.
-1 Fixed Program.
-The adjustment program.
-Date/Time.
-The first recording work.
-Fault and warning instructions.

Curing Cabinet

Standards

EN 196-1

Product Code

JÇ- 009 Curing Cabinet

Used for curing tests of cement specimens. The curing cabinet provides 20 ± 1°C temperature and 95% humidity for cement specimens. Internal chamber and racks are made of stainless steel. The temperature is maintained at 20±1°C by a immersion heater and refrigerator unit which are supplied complete with cabinet. The cabinet is equipped with digital unit which controls and monitors the temperature. The humidity is maintained from 95% to saturation by water nebulisers and also monitored on digital unit.
220 V, 50-60 Hz, 1 ph
Internal Dimensions: 500x600x800 mm (wxlxh)
External Dimensions: 600x700x1500 mm (wxlxh)

Climatic Chamber

Standards

EN 1367,1; ASTM C671; BS 812,124

Product Code

JÇ- 009 Climatic Chamber

Environmental Testing under your control. JEOTEST Test Cabins are developed to simulate real enviromental conditions by controlling temperature, humidity and day & night lighting cycles. By means of their wide temperature and humidity control range various kinds of tests could be performed in different areas. Stability artificial aging and storage test can be easily done as well.
To ensure maximum durability and reliability, adequate materials were chosen fort he construction of the pro
The chamber is made of Stainless Steel. The outer body is made of Epoxy coated Galvanic Steel to resist high humidity levels. The lights are located inside the door and protected with a glass window. There is an also internal glass door which allows controlling the samples without disturbing the temperature and humidity conditions inside the chambers.

The insulation becomes more important for the efficiency of the product when cold and hot temperatures are concerned. It is made of high density injected polyurethane. The humidity is produced by the humidity generator and measured by a humidity sensor. The recovery time is fast and humidity measurement is sensitive. The heating function is controlled by PID while cooling and humidity are controlled by proportional system. User friendly control panel includes 128x64 pixel display.
Powerful air circulation system maintains temperature and humidity unifor JEOTEST y and stability even at low temperatures. Directional airflow assures quick recovery after door openings. The state-of-art control system is based on programmable microprocessor technology.
-Program name: There are ten programs memories,
-Temperature: - 20℃/ +60℃
-Humidity Range : %20-%95 Rh
-Time: 0-999 hours – 59 minutes +hold position
-No of Step: 1-9
-No of program repetition: 1-99

Hot Plate

Product Code

JG-086 Hot Plate 40x60 cm
JG-087 Hot Plate 30x35 cm
JG-088 Hot Plate two burner
JG-089 Hot Plate two burner

Can be set between room temperature to 370 °C.
Controlled by thermostat.
220 V 50 Hz

Le Chatelier Water Bath

Standards

EN 196-3; EN ISO 9597

Product Code

JÇ- 011 Le Chatelier Water Bath

Time and expansion device outlet of the cement samples used in the determination. Bathroom inside the stainless steel, non-electrostatic powder paint, is a digital indicator. Rack with a capacity of 12 patterns are available. Ambient temperature between 95 ° C with the runs.

220 V, 50-60 Hz, 1 ph

Weight: 20 kg.

Water Distiller

Product Code

JG-046 Distilled water apparatus 3.5lt
JG-047 Distilled water apparatus 4lt
JG-048 Distilled water apparatus 8lt

Water Bath

Product Code

JG-049 14 liters
JG-050 30 liters
JG-051 48 liters

Ideal for general laboratory use including Marshall tests.
Internal surfaces of polished stainless steel and housed in a sheet steel insulated outer case.
They are offered in different sizes. Thermostatic heat controlled baths are supplied complete with cover.

220 V, 50–60 Hz, 1ph

Digital Water Bath With Cooling

Product Code

JG-052 Digital water bath with cooling

Capacity 48 liters.
Internal surfaces of polished stainless steel and housed in a sheet steel insulated outer case.
Thermostatic heat controlled bath is supplied complete with lid.

Freezing and Thawing Climatic Chamber

Standards

TS 3449

Product Code

JG-063 Freezing and Thawing Climatic Chamber

Used in determining resistance to freezing and thawing. Provides freezing / thawing in air and also freezing in air / thawing in water.
The chamber equipped with programmer for 9 programs in 9 steps for each program.
Time can be arranged to 360 hours or 360 minutes for each step of program. Temperature range for cabinet is -25°C to +60°C.
The control unit is electronic and equipped with digital display with 0,1°C temperature accuracy.
The temperature distribution accuracy in the cabinet is not higher than 2°C.
Cabinet provides heating from -25°C to +25°C in 60 minutes.
Software for data transfer to computer is supplied complete with the cabinet. The cabinet automatically arranges water level in reservoir.
It is equipped with water pump which is used for water filling and discharging for soaking.
The condenser of the cabinet is fitted with air cooled hermetic cooler. The gas used for cooler does not include CFC.

230 V, 50 Hz, 1 ph

Sand Bath

Product Code

JG-346Sand Bath 31X21X7 internal Tank Dimensions
JG-347Kum banyosu 44X29X7 iç Hazne Ebadı
JG-348Kum banyosu 59X44X7 iç Hazne Ebadı

Jaw Crusher

Standards

UNE 83120

Product Code

JA-053 Jaw Crusher

This Jaw Crusher is used for the rapid, gentle crushing and pre-crushing of medium-hard, hard, brittle and tough materials.
Its variety of materials offered including heavy-metal free steel, its efficiency and safety

Application Examples

Alloys, basalt, cement clinker, ceramics, chamotte, coal, coke, construction materials, feldspar, glass granite, minerals, ores, oxide ceramics, quartz, rocks, silicon, slag.

Product Advantages

-Excellent crushing performance.
-Wide range of materials for contamination free grinding.
-Wear compensation with zero-point adjustment.
-Gap width setting.
-Overload protection.
-No-rebound feed hopper with quick-release clamp.
-Brake motor with safety switch.
-Easy-to-clean crushing chamber.
-Continuous grinding.
-Connector for dust extraction.

Features

Material feed size*	< 50 mm
Final fin eness*	< 4 mm
Material of grinding tools	manganese steel, stainless steel, tungsten carbide, steel 1.1750 (for heavy -metal free grinding)
Jaw width	60 x 60 mm
Gap width setting	0 - 20 mm
Gap width display	scale
Zero point adjustment	yes
Hinged hopper	yes
Dust extraction unit	yes
Collector capacity	2 l
Drive	1 -phase motor / 3 -phase motor
Drive power	0.75 kW
Electrical supply data	different voltages
Power connection	1 -phase / 3 -phase
W x H x D closed	320 x 960 x 800 mm
Net weight	~ 137 kg
Remar k weight (without hopper etc.)	0.75 kW

Vibratory Disc Mill

Product Code

JA-054 Vibratory Disc Mill

The Vibratory Disc Mill JA-054 is suitable for the extremely quick, loss-free and reproducible grinding of medium-hard, brittle and fibrous materials to analytical fineness. The instrument runs steadily and smoothly, even with heavy grinding sets, at maximum speed thanks to the new Stabilized-Plane-Drive.
With its robust design, the JA-054 has proven to be ideal for use in the building materials sector (cement), in geology, mineralogy, metallurgy and in power plants. Due to the high end fineness and speed the JA-054 is the perfect mill when it comes to preparing samples for spectral analysis.

Application Examples

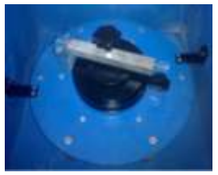
cement, cement clinker, ceramics, coal, coke, concrete, corundum, electronic components, glass, metal oxides, minerals, ores, plant materials, silicates, slag, soils, ...

Product Advantages

-Variable speed 700 - 1,500 min-1
-Extremely short grinding time
-Agate recognition for automatic speed reduction
-10 SOPs can be stored
-No sample loss thanks to optimum o-ring seal
-Wide range of materials for contamination free grinding
-Noise-insulated grinding chamber
-Quick-action grinding set clamping device
-Safety interlock

Features

Material feed size*	< 15 mm
Final fineness*	< 40 µm
Batch size / feed quantity*	35 - 150ml
Speed at 50 Hz (60 Hz)	700 - 1,500 min -1, continuously adjustable
Material of grinding tools	hardened steel, tungsten carbide, agate, zirconium oxide, steel 1.1740 (for heavy - metal free grinding)
Grinding jar sizes	50 ml / 100 ml / 250 ml
Setting of grinding time	digital, 00:00:01 to 99:59:59
Storable SOPs	10
Drive	3 -phase asynchronous motor with frequency converter
Drive power	1.5 kW
Electrical supply data	different voltages
Power connection	1 -phase
W x H x D closed	836 x 1220 x 780 mm
Net weight	15 0 kg



Disc Mill

Product Code

JA-052 Disc Mill

Applications	preliminary and fine grinding
Field of application	chemistry / plastics, construction materials, engineering / electronics, geology / metallurgy, glass / ceramics
Feed material	medium - hard, hard, brittle
Size reduction principle	pressure, friction
Material feed size*	< 20 mm
Final fineness*	< 50 µm
Speed at 50 Hz (60 Hz)	440 min $^{-1}$ (52 8 min $^{-1}$)
Throughput	up to 150 kg/h
Material of grinding tools	zirconium oxide, hardened steel, tungsten carbide , manganese steel
Gap width setting	continuous , 0.1 - 5 mm
Collector capacity	2.5 l
Drive	3 - phase geared motor
Drive power	1.5 kW
Electric al supply data	different voltages
Power connection	1 - phase / 3 - phase
W x H x D closed	520 x 630 x 1050 mm
Net weight	220 kg

Roll Crusher

USED AS A SECONDARY CRUSHER FOR MEDIUM HARD AND HARD SAMPLE MATERIAL.

Technical Features

Roll dimensions f 250 x 150mm
Max. feed grain size :12mm
Final grain size : 0.2-3mm depending on opening between the rolls.
Machine body is made of steel construction.
Roll sleeves have a hardness of 500 Brinel
Rolls are conically tightened for an easy change.
Roll opening adjustment by a hand wheel
Machine is dust proof.
Carrier body is completely closed and has a collecting pan.
Motor : 4Hp, 1400Rpm, 380V, 50Hz
Revolution of the rolls is supplied by a suitable reducer. Tension on rolls is absorbed by a spring system.
Approx: weight: 450 kg

Roll Crusher

Product Code

JG-060 Air Compressor 8 Bar / 25 lt
JG-061 Air Compressor 8 Bar / 50 lt
JG-062 Air Compressor 15 Bar / 50 lt

Freezing and Thawing Climatic Chamber

Product Code

JG-090 Pocket pH meter
JG-091 Hand type pH meter
JG-091 Table pH meter

Silica Gel

Product Code

JG-099 Silica Gel

Desiccator

Product Code

JG-093Vaccuum Desiccator 210mm
JG-094Vaccuum Desiccator 240mm
JG-095Vaccuum Desiccator 300mm
JG-096Vaccuum Desiccator 210mm
JG-097Vaccuum Desiccator 240mm
JG-098Vaccuum Desiccator 300mm

Glass Measuring Cylinders

Product Code

JG-100Glass Measuring Cylinders 10cc
JG-101Glass Measuring Cylinders 25cc
JG-102Glass Measuring Cylinders 50cc
JG-103Glass Measuring Cylinders 100cc
JG-104Glass Measuring Cylinders 250cc
JG-105Glass Measuring Cylinders 500cc
JG-106Glass Measuring Cylinders 1000cc
JG-107Glass Measuring Cylinders 2000cc
JG-108Glass Measuring Cylinders (flat rim) 1000 ml

Plastic Measuring Cylinders

Product Code

JG-109 Plastic Measuring Cylinders 10cc
JG-110 Plastic Measuring Cylinders 25cc
JG-111 Plastic Measuring Cylinders 50cc
JG-112 Plastic Measuring Cylinders 100cc
JG-113 Plastic Measuring Cylinders 250cc
JG-114 Plastic Measuring Cylinders 500cc
JG-115 Plastic Measuring Cylinders 1000cc
JG-106 Plastic Measuring Cylinders 2000cc

Glass Beaker

Product Code

JG-117Glass Beaker 10cc
JG-118Glass Beaker 50cc
JG-119Glass Beaker 100cc
JG-120Glass Beaker 150cc
JG-121Glass Beaker 250cc
JG-122Glass Beaker 400cc
JG-123Glass Beaker 500cc
JG-124Glass Beaker 600cc
JG-125Glass Beaker 800cc
JG-126Glass Beaker 1000cc
JG-127Glass Beaker 2000cc
JG-128Glass Beaker 3000cc
JG-129Glass Beaker 5000cc
JG-130Glass Beaker 50000cc
JG-131Extractor Glass Beaker 1000 gr
JG-132Extractor Glass Beaker 4000 gr

Plastic Beaker

Product Code

JG-133Plastic Beaker 50cc
JG-134Plastic Beaker 100cc
JG-135Plastic Beaker 250cc
JG-136Plastic Beaker 600cc
JG-137Plastic Beaker 1000cc
JG-138Plastic Beaker 2000cc
JG-139Plastic Beaker 3000cc
JG-140Plastic Beaker 5000cc

Pyknometer

Product Code

JG-141Pyknometer (Bottle Type) Double Edged 500 ml
JG-142Pyknometer (Bottle Type) Double Edged 1000 ml
JG-143Pyknometer (Bottle Type) Double Edged 2000 ml
JG-144Pyknometer (Bottle Type) Double Edged 3000 ml
JG-145Pyknometer (Bottle Type) Double Edged 5000 ml
JG-146Pyknometer (Specific Gravity Bottle) 25 ml
JG-147Pyknometer (Specific Gravity Bottle) 50 ml
JG-148Pyknometer (Specific Gravity Bottle) 100 ml
JG-149Pyknometer (Specific Gravity Bottle) 250 ml
JG-150Pyknometer (Specific Gravity Bottle) 500 ml
JG-151Pyknometer (Specific Gravity Bottle) 1000 ml
JG-151Double Edged and Capillary TubedFunnel

Graduated Glass Bottles

Product Code

JG-153/1 Amber Brown Reagent Bottle
JG-153/2 Graduated Glass Bottles 500 ml
JG-153/3 Graduated Glass Bottles 1000 ml
JG-153/4 Graduated Glass Bottles 2000 ml

Balon Joje

Product Code

JG-154Volumetric Flask 5cc
JG-155Volumetric Flask 10cc
JG-156Volumetric Flask 25cc
JG-157Volumetric Flask 50cc
JG-158Volumetric Flask 100cc
JG-159Volumetric Flask 250cc
JG-160Volumetric Flask 500cc
JG-161Volumetric Flask 1000cc
JG-162Volumetric Flask 2000cc
JG-163Volumetric Flask 3000cc
JG-164Volumetric Flask 5000cc

Volumetric Flask

Product Code

JG-165Erlenmeyer 50cc
JG-166Erlenmeyer 100cc
JG-167Erlenmeyer 150cc
JG-168Erlenmeyer 250 cc
JG-169Erlenmeyer 300 cc
JG-170Erlenmeyer 500 cc
JG-171Erlenmeyer 1000 cc
JG-172Erlenmeyer 2000 cc
JG-173Erlenmeyer 5000 cc
JG-176Filter Flasks 2000cc

Glass Round Flask

Product Code

JG-178Glass Round Flask 250 cc
JG-179Glass Round Flask 500 cc
JG-180Glass Round Flask 1000 cc
JG-181Glass Round Flask 2000 cc
JG-182Glass Round Flask 3000 cc

Petri Dish And Rod

Product Code

JG-153/1 Amber Brown Reagent Bottle
JG-153/2 Graduated Glass Bottles 500 ml
JG-153/3 Graduated Glass Bottles 1000 ml
JG-153/4 Graduated Glass Bottles 2000 ml

Wash Bottle

Product Code

JG-299Wash Bottle 250 cc
JG-300Wash Bottle 500 cc
JG-301Wash Bottle 1000 cc

Pipette

Product Code

JG-302 Pipette 5 ml
JG-303 Pipette 10 ml
JG-304 Pipette 25 ml
JG-305 Pipette 50 ml
JG-306 Plastic Pasteur pipette 3 ml
JG-307 Pipette pump
JG-308 Glass pipette with pump

Density Hydrometer

Product Code

JG-309Density Hydrometer set
JG-310Density Hydrometer 700-800
JG-311Density Hydrometer 800-900
JG-312Density Hydrometer 900-1000
JG-313Density Hydrometer 1000-1100
JG-314Density Hydrometer 1100-1200
JG-315Density Hydrometer 1200-1300
JG-316Density Hydrometer 1300-1400
JG-317Density Hydrometer 1400-1500
JG-318Density Hydrometer 1500-1600
JG-319Density Hydrometer 1600-1700
JG-320Density Hydrometer 1700-1800
JG-321Density Hydrometer 1800-1900
JG-322Density Hydrometer 1900-2000
JG-323Density Hydrometer kit

Density Hydrometer

Product Code

JG-340 Glass Funnel 100mm
JG-341 Glass Funnel 80mm
JG-342 Glass Funnel 200 mm
JG-343 Plastic Funnel

Mixing Tray

Product Code

JG-183Mixing Tray 27x46x4 cm
JG-184Mixing Tray 26x41x4 cm
JG-185Mixing Tray 25x36x4 cm
JG-186Mixing Tray 23x33x4 cm
JG-187Mixing Tray 17x27x4 cm
JG-188Mixing Tray 20x20x5 cm
JG-189Mixing Tray Tray 30x30x5cm, Stainless Steel
JG-190Mixing Tray Tray 40x40x5cm, Stainless Steel
JG-191Mixing Tray Tray 50x50x5cm, Stainless Steel
JG-192Mixing Tray Tray 60x60x5cm, Stainless Steel
JG-193Mixing Tray Tray 100x100x5 cm, Stainless Steel

Spatulas

Product Code

JG-183Mixing Tray 27x46x4 cm
JG-184Mixing Tray 26x41x4 cm
JG-185Mixing Tray 25x36x4 cm
JG-186Mixing Tray 23x33x4 cm
JG-187Mixing Tray 17x27x4 cm
JG-188Mixing Tray 20x20x5 cm
JG-189Mixing Tray Tray 30x30x5cm, Stainless Steel
JG-190Mixing Tray Tray 40x40x5cm, Stainless Steel
JG-191Mixing Tray Tray 50x50x5cm, Stainless Steel
JG-192Mixing Tray Tray 60x60x5cm, Stainless Steel
JG-193Mixing Tray Tray 100x100x5 cm, Stainless Steel

Brushes

Product Code

JG-340 Glass Funnel 100mm
JG-341 Glass Funnel 80mm
JG-342 Glass Funnel 200 mm
JG-343 Plastic Funnel


Round Scoops

Product Code

JG-207 Round Scoops Small
JG-208 Round Scoop Medium
JG-209 Round Scoop Large
JG-210 Round Scoop Extra Large
JG-211 Round Scoop Shovel Special

Porcelain Evaporating Dish

Product Code

JG-212Porcelain Evaporating Dish 10 cm dia
JG-213Porcelain Evaporating Dish12 cm dia

Porcelain Mortar with Pestle

Product Code

JG-214/1Porcelain Mortar with Pestle 15 cm
JG-214/2Porcelain Mortar with Pestle 10 cm
JG-214/3Agate Mortar 12.5 cm

Crucibles

Product Code

JG-216/1Porcelain crucible 101-30 small
JG-216/2Porcelain crucible 101-35 Medium
JG-216/3Porcelain crucible 101-40 Large
JG-216/5Platinum crucible
JG-216/4Iron crucible

Digital Thermometer

Product Code

JG-219Digital Thermometer (-50 +150 °C)
JG-220Digital Thermometer (-50 +260 °C)
JG-221Digital Thermometer (-50 +300 °C)

Max-Min Thermometer

Product Code

JG-223Max-Min Thermometer (-40/50 °C)
JG-224Digital Max-Min Thermometer (-40/50 °C)

Digital Thermo - Hygrometer, Max-Min

Product Code

JG-225 Digital Thermo-Hygrometer, Max-Min Thermometer

Temperature measurement range: -10 ° C to +60 ° C. Humidity measurement range: 1 - 99%
Resolution: 0.1 ° C

Maximum - Minimum function Dimensions: 110mm X 95mm X 20mm Weight: 171 g
1.5V AA battery

Mechanical Hygrometer-Thermometer-Barometer

Product Code

JG-226 Mechanical Hygrometer-Thermometer-Barometer

Mechanical Hygrometer

Product Code

JG-227 Mechanical Hygrometer

Mechanical Thermometer

Product Code

JG-228Mechanical Thermometer0-260 °C
JG-229Mechanical Thermometer300 °C
JG-230Mechanical Thermometer -30 +60 °C
JG-231Mechanical Thermometer 0 +200 °C

Non-contact Infrared IR Thermometer

Product Code

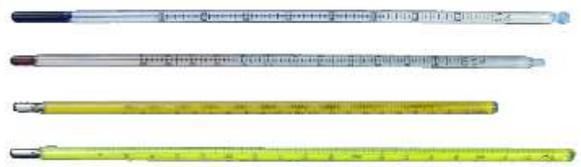
JG-239/1 Non-contact Infrared IR Thermometer
User selectable Celsius or Fahrenheit
Laser Targeting Automatic Data Hold Auto Power Off
White Backlit LCD Display
Low battery indication
Audible and visible Overrange indication
Wide Range
Range: -20 to 500 C(-4 to 932 F)
Basic Accuracy: iÀ2% of readingiÀ2 C/iÀ4 F Response Time: Less than 1s
Resolution: 0.1 up to 200, 1 over 200
Optical Resolution: 8:1 (Distance to Spot) Emissivity: Fixed at 0.95
Dimensions: 159*79*57mm(H*W*D) Weight: 180g

Digital Laser Distance Meter

Product Code

JG-238 Digital Laser Distance Meter Bosch Brand

Glass Thermometers



Product Code

JG-239Glass Thermometer max 60 °C
JG-240Glass Thermometer max 110 °C
JG-241Glass Thermometer max 160 °C
JG-242Glass Thermometer max 250 °C
JG-243Glass Thermometer max 310 °C
JG-244Glass Thermometer max 360 °C
JG-245Glass Thermometer max 400 °C

Viscosity Thermometers

Product Code

JG-256Viscosity Thermometers +19+27 (0.1)
JG-257Viscosity Thermometers +37+42 (0.1)
JG-258Viscosity Thermometers +49+57 (0.1)
JG-259Viscosity Thermometers +57+65 (0.1)
JG-260Viscosity Thermometers +79+87 (0.1)
JG-261Viscosity Thermometers +95+103 (0.1)

Digital Chronometer

Product Code

JG-254 Mechanical Chronometer

Mechanical Chronometer

Product Code

JG-255 Mechanical Chronometer

Digital Thermometer Immersion

Product Code

JG-250Digital Thermometer Immersion Type 260 °C
JG-251Digital Thermometer Immersion Type 150 °C

Analogue Calipers

Product Code

JG-262 Caliper 15 cm
JG-263 Caliper 30 cm
JG-264 Caliper 60 cm
JG-265 Caliper 50 cm
JG-266 Caliper 100 cm
JG-274 Analog Caliper 20x0,01 Mitutoyo
JG-275 Analog Caliper 200x0,02 Mitutoyo
JG-276 Analog Caliper 25x0,01 Mitutoyo
JG-277 Analog Caliper 300x0,02 Mitutoyo
JG-281 Analog Caliper 10x0,01
JG-282 Analog Caliper 100x0,05
JG-283 Analog Caliper 20x0,01
JG-284 Analog Caliper 200x0,05
JG-285 Analog Caliper 25x0,01
JG-286 Analog Caliper 300x0,05

Digital Calipers

Product Code

JG-267Caliper15 cm Digital
JG-268Caliper 30 cm Digital
JG-269Caliper 50 cm Digital
JG-278Digital Caliper 20x0,01 Mitutoyo
JG-279Digital Caliper 25x0,01 Mitutoyo
JG-280Digital Caliper 300x0,01 Mitutoyo
JG-287Digital Caliper 10x0,01
JG-288Digital Caliper 20x0,01
JG-289Digital Caliper 25x0,01
JG-290Digital Caliper 300x0,01

Caliper For Shape Index

Product Code

JG-270Caliper for shape index, imported
JG-271Caliper for shape index

Filter Papers

Product Code

JG-324 Square Filter Paper, 40 Cm
JG-325 Round Filter Paper without holes
40 Cm pack of 50 filter
Imported CONTROLS BRAND
JG-326 Small Round Filter Paper 1 pack
JG-327 Big Round Filter Paper, 1 pack
JG-329 Methylene Filter Paper, imported
JG-330 Methylene Filter Paper
JG-331 Filter Paper for CBR

PH Indicator

Product Code

JG-328 PH INDICATOR
MERCK PH Indicator (0-14) non bleeding 100 strips

Dial Indicator

Product Code

JG-344Mechanical Dial Indicator, Graduation: 0.001mm
JG-345Digital Dial Indicator, Graduation: 0.001mm

Calibration Masses Class M1

Product Code

JG-349/001PÇStainless Steel1 gr
JG-349/005PÇStainless Steel 5 gr
JG-349/01PÇStainless Steel 10 gr
JG-349/05PÇStainless Steel 50 gr
JG-349/1PÇStainless Steel 100 gr
JG-349/2PÇStainless Steel 200 gr
JG-349/5PÇStainless Steel 500 gr
JG-349/10PÇStainless Steel 1 kg
JG-349/20PÇStainless Steel 2 kg
JG-349/50PÇStainless Steel 5 kg
JG-349/100PÇStainless Steel 10 kg
JG-349/200PÇStainless Steel 20 kg
JG-349/10PDNickel-Plated Steel 500 gr
JG-349/10PDCast Iron Weights 1 kg
JG-349/20PDCast Iron Weights 2 kg
JG-349/50PDCast Iron Weights 5 kg
JG-349/100PDCast Iron Weights 10 kg
JG-349/200PDCast Iron Weights 20 kg
JG-349/500PDCast Iron Weights 50 kg

Calibration Masses Class F1 Set

Product Code

JG-350/1set		JG-350/2 set	
Quantity	Weight	Quantity	Weight
1	1 gr	1	1 gr
2	2 gr	2	2 2 gr
1	5 g	1	5 g
2	10 gr	1	10 gr
1	20 gr	2	20 gr
1	50 gr	1	50 gr
2	10 0 gr	1	10 0 gr
1	20 0 gr	2	20 0 gr
1	50 0 gr	1	50 0 gr
2	1 kg	1	1 kg
1	2 kg	2	2 kg
1	5 kg	1	5 kg
1	10 kg	1	10 kg

Calibration Masses Class F1

Product Code

JG-350/20020 KG Calibration Mass Class F1
JG-350/10010 KG Calibration Mass Class F1

Weights are supplied complete with certificate of conformity from Ministry of Industry and Trade

Calibration Masses Set

Product Code

JG-349 Calibration Masses Set 1gr - 1000 gr

Single Calibration Mass M1 Class

Product Code

JG-350Single Calibration Mass 2 kg M1 Class
JG-351Single Calibration Mass 5 kg M1 Class

Moisture Tin

Product Code

JG-332 Diameter: 150 mm Height: 170 mm
JG-333 Diameter: 125 mm Height: 150 mm
JG-334 Diameter: 125 mm Height: 100 mm
JG-335 Diameter: 105 mm Height: 100 mm
JG-336 Diameter: 80 mm Height: 45 mm
JG-337 Diameter: 70 mm Height: 45 mm
JG-338 Diameter: 55 mm Height: 35 mm
JG-339 Diameter: 50 mm Height: 40 mm

JG-383 Rubber Hammer

JG-384 Hammer

JG-378 Feeler Gauges Set

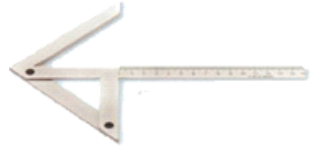
JG-382 Tongs

JG-379 Magnetic Stirrer with Heater

JG-386 Heat Resistant Gloves

JG-380 Angle Gauge

JG-387 Graduated Square



JG-381 Trowel (Plaster Type)

JG-385 Cutter

JG-388 Engineers Square with Base

JG-389 Chalk

JG-390 Spoon

JG-391 Scoop

JG-392 Wrench

JG-395 Pocket Ph meter

JG-397 Tamping rod

JG-398 scissors

JG-400 Air Drier

JG-399 Fan

JG-394 Clamp

JG-396 Steel Tape 5 m

JG-408 Laboratory Cart

JG-409 Flat Trolley

JG-404 Small Knife

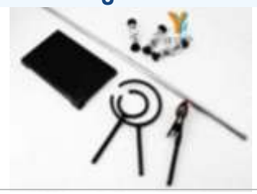
JG-401 Wire Basket

JG-405 Fastener

JG-410 Stand

JG-411 Small Stand holder

JG-412 Large Stand holder



JG-420 Levelling Boards

JG-414 Watch glass 100 mm

JG-413 Water depot 60 lt

JG-416 Wire Gauze 12x12 cm
JG-417 Wire Gauze 16x16 cm

JG-403 Bulk density

JG-418 Water Jet pump Glass or plastic

JG-419 Micrometer 25-27.5 0.01 mm

JG-071 Spirit level 60cm
JG-072 Spirit level 100cm

JG-423 Bucket

JG-291Steel Ruler 100 cm
JG-292Steel Ruler 50 cm
JG-293Steel Ruler 30 cm

JG-422 Water Tank

JG-421 Rubber Bung

JG-424 Wheelbarrow

JG-429 Magnetic Holder

JG-425 Marsh Funnel

JG-439 Automatic Burette

JG-440 Fractionation Column

JG-438 Weighing Bottles

JG-430 Gas Burner

JG-441 Portable Masonry Saw 180 mm dia.

JG-448 Vacuum Pump Laboratory Type

JG-477 Gas Mask

JG-446 Carpentry Screw Clamp

JG-442 Powdered Gloves

JG-451 Calculator

JG-443 Pipette For Burette

JG-444 Three Way Rubber Pipette

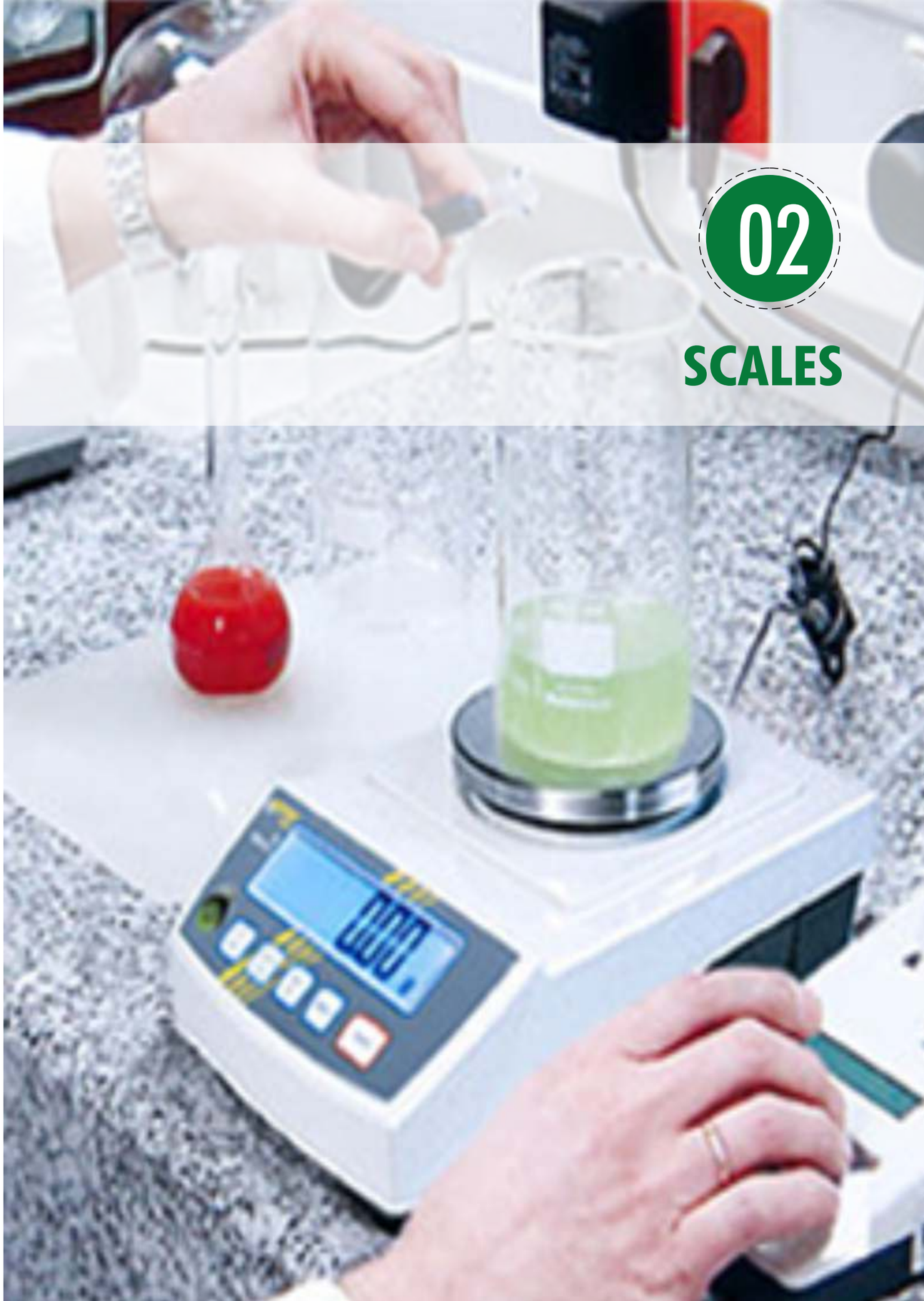
JG-433 Zip Lock Bag

JG-435 1.5 X 1.5 m Oilcloth

JG-434 Waxey Sample Bag

JG-376 Standard Sand

1 pack 1,350 g ± 5 g.



02 SCALES

- PRECISION BALANCES
- ANALYTICAL BALANCES
- MOISTURE ANALYTICAL
- SPCIFICC QEIGHT SCALE
- HEAVY SCALES
- MASS CALİBRATION SET

MICRO BALANCE 0.000001 g (0.001 mg)

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
MYA 21.3Y.P	21 g	1	26 mm	INTERNAL
MYA 5.3Y	5 g	1	26 mm	INTERNAL

SEMI MICROBALANCES 0.00001 g (0.01 mg)

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
AS 60/220 C/2 (LCD)	60/220 g	0.00001/0.0001 g	70 mm	INTERNAL
XA 82/220/X (GRAPHIC)	82/220 g	0.00001/0.0001 g	85 mm	INTERNAL

ANALYTICAL BALANCES 0.0001 g (0.1 mg)

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
AS 110 C/1 (LCD)	110 g	0.0001 g	85 mm	EXTERNAL
AS 220 C/2 (LCD)	220 g	0.0001 g	85 mm	INERNAL
AS 220 R.2 (LCD)	220 g	0.0001 g	85 mm	INTERNAL
AS 220/X (GRAPHIC)	220 g	0.0001 g	85 mm	INTERNAL
AS 220/3Y	220 g	0.0001 g	85 mm	INTERNAL
AS 310 R.2 (LCD)	310 g	0.0001 g	85 mm	INT. & EXT.

SEMI ANALYTICAL BAANCES 0.0001 g (0.1 mg)

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
WTB 200	200 g	0.001 g	115 mm	EXTERNAL
PS 360 R.1	360 g	0.001 g	128*128	EXTERNAL
PS 360 R.2	360 g	0.001 g	128*128	EXTERNAL
PS 510 R.1	510 g	0.001 g	128*128	EXTERNAL
PS 600 C/2 - R.2	600 g	0.001 g	128*128	INTERNAL
PS 600 C/2-R.2	600 g	0.001 g	128*128	INTERNAL
PS 750 R.1	750 g	0.001 g	128*128	EXTERNAL
PS 750 C/2-R.2	750 g	0.001 g	128*128	INT. & EXT.
PS 1000 C/2-R.2	1000 g	0.001 g	128*128	INT. & EXT.
PS 200/2000 C/1	200/2000 g	0.001/0.01 g	128*128	EXTERNAL
PS 200/2000 C/2	200/2000 g	0.001/0.01 g	128*128	INTERNAL
PS 1000.3Y (OTM)	1000 g	0.001 g	128*128	INTERNAL

PRECISION BALANCES 0.01 g (10 mg)

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
WLC 0,6/B/1	600 g	0.01 g	125*145	EXTERNAL
WTB 2000	2000 g	0.01 g	125*145	EXTERNAL
PS 3500 R.1	3500 g	0.01 g	195*195	EXTERNAL
PS 3500 R.2	3500 g	0.01 g	195*195	INTERNAL
PS 4500 C/1-R.1	4500 g	0.01 g	195*195	EXTERNAL
PS 4500 R.2	4500 g	0.01 g	195*195	INTERNAL
PS 6000 C/1-R.1	6000 g	0.01 g	195*195	EXTERNAL
PS 6000 R.2	6000 g	0.01 g	195*195	INTERNAL
PS 8000 R.1	8000 g	0.01 g	195*195	EXTERNAL

PRECISION BALANCES 0.01 g (100 mg)

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
WLC 3/6/A2	3/6 kg	0.05/0.1 g	195*195	EXTERNAL
WLC 10/A2	10 kg	0.1 g	195*195	EXTERNAL
WLC 20/A2	20 kg	0.1 g	195*195	EXTERNAL
WLC 30	30 kg	0.1 g	300*300	EXTERNAL

MOISTURE ANALYZERS BALANSEC 0.001 g

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
WLC 3/6/A2	3/6 kg	0.05/0.1 g	195*195	EXTERNAL
WLC 10/A2	10 kg	0.1 g	195*195	EXTERNAL
WLC 20/A2	20 kg	0.1 g	195*195	EXTERNAL
WLC 30	30 kg	0.1 g	300*300	EXTERNAL

SPECIFIC WEIGHT SCALES

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
ACS-Z / 6	6 kg	0.1 g	270*220	EXTERNAL
ACS-Z / 30	30 kg	0.5 g	270*220	EXTERNAL
JS-BM / 6	6 kg	0.1 g	300*230	EXTERNAL
JS-BM / 30	30 kg	0.5 g	300*230	EXTERNAL

SPECIFIC WEIGHT SCALES

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
DM - 20	20 kg	0.1 g	290*220	EXTERNAL
CWT 22U	30 kg	0.1 g	310*220	EXTERNAL
HZQ-10A	10 kg	0.1 g	205*295	EXTERNAL
HZQ-30A	30 kg	0.1 g	205*295	EXTERNAL

HEAVY SCALES

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
DCI-60	60 kg	2 g	350*400	EXTERNAL
DCI-150	150 kg	5 g	400*500	EXTERNAL
DCI-300	300 kg	10 g	500*600	EXTERNAL
DCI-600	600 kg	20 g	700*800	EXTERNAL
DCI-1500	1500 kg	50 g	1000*1000	EXTERNAL

MODEL	CAPACITY	READABILITY	PAN SIZE	CALIBRATION
DBN-60	60 kg	5 g	350*400	EXTERNAL
DBN-150	150 kg	10 g	400*500	EXTERNAL
DBN-300	300 kg	20 g	500*600	EXTERNAL
DBN-600	600 kg	50 g	700*800	EXTERNAL
DBN-1500	1500 kg	100 g	1000*1000	EXTERNAL

03 CONCRETE

Concrete Compression Machine

Standards

EN 12390-4; BS 1881:115; ASTM C39

Product Code

JB-068 2000 kN Beton Test Presi
JB-071 3000 kN Beton Test Presi

A compression test determines behavior of materials under crushing loads. The specimen is compressed and deformation at various loads is recorded. There are two type frame in available as 4- Columns type or Wall type

Suitable for testing 150 * 150 * 150 , 200 * 200 * 200 mm cube and 150 * 300 mm cylinder concrete samp
-It has rigit load frame in 4- column construction. The columns are screwed free from play to the machine's foot and head.
-Machine's foot and head are cut from the solid, all bearing surfaces are mechanically machined.
-Compact frame, formed by upper and lower platens. Platens machined on all sides, hardened and on both sides face grinded.
-Upper platen spherically seated to allow an inclination up to 3° for homogenous loading.
-Lower platen marked to allow centring of both cubes and cylinders.
-Test cylinder has single acting feature, cut from the solid (no screwed in buttom).
-Distance plates for different size samples (10mm, 20mm, 50mm, 80mm).
-Piston is hardened and micro finished
-Piston stroke limitation by end-switches.
-Piston protection made of sheet steel – against dirt.
-Security door (fixed in rear of the frame and openable/closable in front).
Depending on electrical safety switch, the test machine just works if the door is closed.

Specifications

Product code	JB - 068	JB - 0 71
Capacity	2000	3000
Piston stroke	50 mm	50 mm
Lower platen dia.	300 mm	300 mm
Upper plaka çapı	300 mm	300 mm
Vertical opening	750 mm	750 mm
Horizontal opening	350 mm	350 mm
Hardness of platnes	55 HRC	55 HRC
Loading rate	0.1 - 25 KN/S	0.1 - 25 KN/S
Dimensions	915 x 490 x 1115	955 x 500x1175 mm
Weight	900 Kg	1150 Kg

Full Automatic Hydraulic Unit

-Double pump system.
-Pumps are imports from Hawe (Germany).
-Can adjust speed automatically.
-Adjustable load rate between 0.5 and 25 kN /s
-Accuracy is ± 0.5 % of indicated load
-Used imports transducer for pressure sensor with ± 1% precision.
-Can connect to any unit in the laboratory.
-230 V / 50 Hz.
-Comes with LCD screen.
-Dimensions :430x410x935mm

Digital Readout Unit

LCD graphics data acquisition and controls system PCM304 is designed to control the machine and processing data from load cells or pressure transducers installed on the compression machine frame. Easy to read LCD graphics display and touch-button data pad keys make the unit quick and straight forward to operate. All interactions with the measuring system are via the front control panel by using simple menu-driven procedures. The PCM304 is contained in light alloy housing and it's design satisfies the ergonomic requirements for various use. The PCM304 digital allows real time load us time graph. At the end of the test cycle, the results can be stored in the large memory or downloaded to a PC in PCM304 software format. Dedicated software package is available for further online data processing data base management and certificate printing.

-240*120 pixel blue-white graphic LCD display.
-High resolution 65.000 points.
-Backlight function.
-Capability of contrast calibration by light.
-21 key touch membrane keyboard.
-Two analogical and two digital channels, use for load cell or pressure transducer etc.
-Standalone full automatic testing capacity.
-Can make manual tests if requested.
-A sample type and dimension can be entered respect to the standards,
-Load-Time, Tensile-Time, Test Results and Sample reports observable and printable.
-One RS232 serial port for connecting either PC or printer for data transmission.
-Comes with Connection cable and software.
-Large permanent memory up to 256 test results.
-Language select, English – Turkish.

Full Automatic Flexural Test Machine

Standards

TS EN 1390-5; ASTM C78, 293

Product Code

JB-075 Full Automatic Flexural Test Machine

Testing of flexural test on standard concrete beams, transverse test on kerbs and flagstones, indirect tensile tests on concrete and interlocking pavers.
For center and third point loading
The distance of both pair of loading and support rollers can be easily adjusted
The distance of both pair of loading and support rollers can be easily adjusted
Max. load capacity 200 KN.
Independent Hydraulic Unit.
Piston Travel 75 mm.
Pressure transducer with accuracy

SPLITTING TENSILE Device for Cylindrical Specimens

Standards

ASTM C 496 , TS EN 12390-6

Product Code

JB-083 Device for Cylindrical Specimens
Used for testing cylindrical specimens dia. 150x300 mm.

SPLITTING TENSILE Device for cube Specimens

Standards

EN 12390-6

Product Code

JB-085 Device for cube Specimens
Used for testing concrete cube specimens 150 mm.

Compression Pipe Testing Machine

Standards

EN 1916; ASTM C301, C497

Product Code

JB-091 Compression pipe testing machine

Comes with GLCD screen
Compression pipe testing machine was designed to conduct vertex compression testing with full load testing without impact or blows on tubes and preformed parts which are made of concrete, steel fibre concrete and reinforced concrete.
Test pipes with diameter 100 mm minimum – 1200mm maximum.
Load capacity is 500 kN.
Full auıomatic hydraulic unit.
Double pump system.
Adjustable load rate between 0.5 and 25 kN /s.
Accuracy is

Kerbs Flexure and Concrete Compressing Testing Machine

Standards

TS EN 1390-5 ; ASTM C78, 293 ; AASHTO t97 ; BS 1881:118

Product Code

JG-004 Kerbs Flexure and Concrete Compressing Testing Machine

-Fully Automatic computerized system.
-Load capacity 20 Ton (200 KN).
-Load cell with digital control unit.
-Loading speed control.
-Pressure relief valve.
-Test can be made manually or automatically.
-Max vertical daylight : 160 mm.
-Distance between upper rollers: 400 mm.
-Distance between lower rollers: 1000 mm.
-Distance between rollers adjustable.
-Rollers dia: 20 mm.
-Rollers Hardness : 40 HRC
-Comes with test software.
-Comes with splitting tensile test device.
-220-240 V 1 ph 50 Hz

BIMS COMPRESSION Testing Machine

Standards

EN 12390-4; BS 1881:115; ASTM C39; EN 771-3

Product Code

Jg-004 Bıms Compressıon Testing Machine

-Fully Automatic computerized system.
-80-120 Ton (800 kN -1200 kN) capacity.
-Compression platens dimensions 500x310x50 mm.
-Compression platens Hardness : 55HRC.
-Distance piece using to minimize Vertical daylight until 100 mm.
-Vertical daylight 300 mm.
-Loading speed control.
-Pressure relief valve.
-Test can be made manually or automatically.
-Comes with test software.
-Distance pieces should be ordered separately.
-220-240 V 1 ph 50 Hz.

Tiles Flexural Testing Machine

Standards

EN 1340

Product Code

JK-429 Tiles Flexural Testing Machine

-5 Ton capacity.
-Machine is supplied complete with load cell.
-Digital load cell indicator shows load and breaking load
-Loading is made by using electric motor
-Motor speed control using variable frequency drive
-Comes with flexural device
-220-240 V 1 ph 50 Hz.

Tile Bending Device

Standards

EN 1338

Product Code

JK-001 Tiles Flexural Testing Machine

- 40x40x1 cm tiles will be made according to
- Capacity: 5 tons.
- Bending Apparatus with.
- Speed 75 mm / sec.
- Load Indicator load cell.
- Breaking load values with holder remains on the screen.
- Pivoting head tilting.
- Bottom bracket set moving to the know.
- So is suitable for slaughter tiles of different sizes.
- Compressing Flexure and Concrete Testing Machine.
- 220-240 V 1 ph 50 Hz.

Concrete Impermeability Apparatus

Standards

EN 12390-8 ; ISO 7031

Product Code

JB-047 Three place Model
JB-048 Six place Model

Used for the determination of the depth of penetration of water to hardened concrete specimens under pressure. 3 and 6 specimen capacity models are available. The system can test 150x150x150 mm, 200x200x200 mm cube or 150x300mm cylinder specimens. Pressure to the sample, up to 12 bar with 0,2 bar precision is generated by way of compressed air applied to the integral water tank and controlled by a pressure regulator; with a pressure gauge. The penetration of water is measured through the burettes supplied complete with the system. The system comprises impermeability gaskets for every cell. The apparatus has to be fitted with the suitable air compressor with maximum working pressure of 12 bar.

Model	JB - 047	JB - 0048
Dimensions (mm)	280x220x710	500x500x1800
Weight (kg)	95	106

Large Curing Tank

Standards

ASTM C 192 ; ASTM C 31 ; ASTM C 511 ; EN 12390-2

Product Code

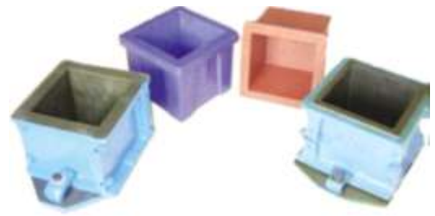
JB-037/1 Set of 8 Upper Racks.
JB-037/2 Water circulating Pump.
JB-037/3 Thermostatically controlled heater.

The curing tank is designed for curing concrete cubes and cylinders. The temperature can be set and maintained to the required value by an electric resistance incorporating a thermoregulator which maintains set temperature between ambient to 40ºC with ± 2 C° accuracy.The tank is supplied complete with base rack. Suitable upper racks to hold concrete cubes are available on request (max. 8 pieces). The tank is also supplied with a submersible circulator pump to assure good temperature uniformity.

230 V, 50–60 Hz, 1 ph.

Model	JB - 037	JB - 037/GLV	JB - 037/PLE
Dimensions (mm)	800x1200x800 mm	630x1850x600mm	1000x2000x1000mm
Temprerature Range	Ambient temperature 40 °C	Ambient temperature 40 °C	Ambient temperature 40 °C
Made of zinc Coated sheet steel	Made of Rigid plastic	zinc coated sheet steel	Made of polyethylene plastic

Concrete Cube Moulds



Standards

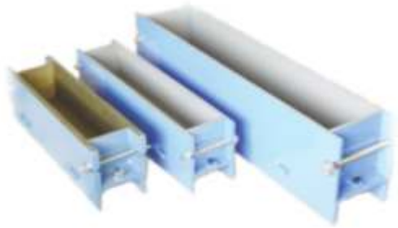
AASHTO T126; AASHTO T23; ASTM C 192
ASTM C 39 ; EN 12390-1

Product Code

Cast iron, hard plastic or steel cube moulds are manufactured in accordance to dimensions and tolerances stated in the related standards. Four part and clamp attached base plate cast iron and steel moulds are designed to be durable, resistant and easy to clean.

Model	JB - 004	JB - 005	JB - 006	JB - 007
Made Of	Steel	Plastic	Steel	Steel
Dimensions (mm)	150x150x150	150x150x150	200x200x200	100x100x100
Weight (kg)	16.2	2.2	20	7

Concrete Beam Moulds



Standards

AASHTO T126; AASHTO T23; ASTM C 192
ASTM C 39; EN 12390-1

Steel beam moulds are manufactured in accordance to dimensions and tolerances stated in the related standards. Two part and clamp attached base plate steel moulds are designed to be durable resistant and easy to clean.

Model	JB - 008	JB - 009	JB - 010	JB - 011
Dimensions (mm)	100x100x400	100x100x500	100x100x600	100x100x750
Weight (kg)	18.5	20.3	38.4	40

Cylinder Mould

Standards

EN 12390/1; ASTM C39; C192; AASHTO T23; T126

Product Code

JB-012 100x200 mm Steel cylinder mould.
JB-013 150mmx300mm Steel cylinder mould.
JB-014 150x300 mm Plastic cylinder mould.

Compressometer

Standards

ASTM C469; UNI 6556

Product Code

Used to determine the strain and deformation characteristics of concrete specimens.

Available models :
-For cylinder 150 mm and 160 mm, with dial 0.001 mm sensitivity.
-For Cube , with dial 0.001 mm sensitivity.

Vibrating Table

Standards

EN 12390-2

Product Code

JB-025 Vibrating Table

The JEOTEST fixed amplitude vibrating table is a compact unit providing controlled vibro - compaction in the laboratory using cube or cylinder moulding equipment. Vibrating tables consists of vibrating motor, control unit and clamping assembly. The table size is 1260 x 620 mm.Large table accepts 6 cube, cylinder moulds or beam moulds.

Operates with 220 Volt, 50 Hz supply.
Dimensions(mm): 1055x620x1260
Weight(kg) : 154

Vibrating Table

Standards

EN 12390-2

Product Code

JB-025/1 Vibrating Table

The JEOTEST fixed amplitude vibrating table is a compact unit providing controlled vibro-compaction in the laboratory using cube or cylinder moulding equipment. Vibrating tables consists of vibrating motor, control unit and clamping assembly. Cylinder moulds or beam moulds.

Operates with 220 Volt, 50 Hz supply.
Weight(kg) 70

Melting Pot

Standards

AASHTO T126 ; AASHTO T23 ; ASTM C 192
ASTM C 31 ; ASTM C 617 ; EN 12390-3

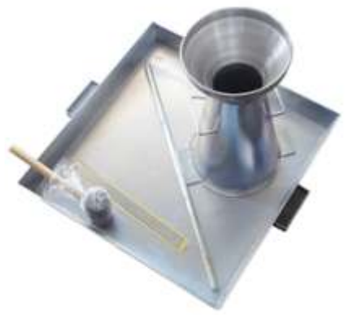
Product Code

JB-051 Melting Pot

Used for melting capping compound (sulphur).
The apparatus consists of a aliminium container in a well-lagged steel jacket, cover and thermostatic control heating system to keep the temperature constant in the range of 40-150ºC.

Capacity : 5 lt.
Dimensions:400x300x300 mm.
Weight :8.5 Kg.
Power :600 W.

Slump Test Set



Standards

AASHTO T119 ; ASTM C 143 ; BS 1881:102 ; EN 12350-2

Product Code

JB-022 Slump Test Set.
JB-022/1 Tamping rod 16x600 mm.
JB-022/2 Steel ruler.
JB-022/3 Rubber mallet.
JB-022/4 Laboratory shovel.
JB-022/5 SLUMP cone.

The Slump test method is used for the determination of the consistency, the medium and high workability of fresh concrete.
The set consists of slump cone, slump cone funnel, 600 mm long x 16 mm diameter tamping rod which is hemispherical at both ends, base plate, rubber mallet and steel rule.
Supplied either galvanized or paint coated to prevent corrosion.

Flow Table

Standards

BS 1881:105 ; EN 12350-5

Product Code

JB-023/1 Flow Cone.
JB-023/2 Wooden Tamper.

The test set is used for concrete mixes of high workability.
The test determines flow index as an arithmetic mean of the diameter of the specimen after working on a flow table.
The apparatus consists of a double steel table, the upper table measuring 700x700 mm and hinged at one side to the lower table.
The top table is inscribed and all parts are protected against corrosion. The galvanized steel cone has a top 130 mm dia., base 200 mm dia., and is 200 mm high. Supplied complete with wooden tamping rod.
Dimensions(mm) 700x700x110.

J RİNG

Standards

EN 11045

Product Code

JG-445 J RİNG

J-RING, galvanized steel, rectangular section 30 x 25 mm and median diameter of 300 mm, rings bars dia. 10 x 100 mm, The bars have distance of 48 mm
CONE MOULD, galvanized steel
Square base plate, galvanized steel.

Vebe Consistometer

Standards

EN 12350-3

Product Code

JB-039 Vebe Consistometer

The method is a mechanised variation of the slump test and includes determination of workability of fresh concrete by performing vibration to concrete after removal of the slump cone. The assembly is mounted upon a small vibrating table operating at a fixed amplitude and frequency.
The time to complete the required vibration gives an indication of the concrete workability. The set consists of vibrating table, slump cone, graduated rod with transparent plate, filling cone and tamping rod.
220V, 50–60 Hz, 1 ph.
Dimensions: 280x220x710 mm.
Weight : 90 Kg.

Pan Type Concrete Mixer

Standards

EN 12504:2

Product Code

JB-041 Pan Type Concrete Mixer

Drum Type Concrete Mixer

Product Code

JB-040 Drum Type Concrete Mixer

The mixer is used for efficient mixing of concrete, plaster and mosaic. 125 lt capacity lightweight mixer is equipped with rubber wheels which provide high portability.

Drum Capacity	135 Lt.
Mixing Volume	125 Lt.
Production Per Hour	2 - 3 m3
Electric Motor	0,75 KW
Dimensions(LxWxH)	62 x 130 x 110 cm
Weight	98 kg.

Air Entrainment Meter

Standards

AASHTO T152 ; ASTM C 231 ; EN 12350-7

Product Code

JB-036 Air Entrainment Meter.
JB-036/1 Tamping Rod.
JB-036/2 Straight Edge.
JB-036/3 Manometer.

The apparatus is used to determine air content of fresh concrete. It consists of a flanged 7 liter capacity cylindrical vessel and cover assembly incorporating a pressure gauge air pump and valves.The meter measures up to 22% entrained air with an accuracy of ±0.25% at full scale. It is appropriate for aggregates size of maximum 50mm. The instrument can be calibrated and it is supplied complete with straight edge and tamping rod.**Weight: 3.5 Kg.**

Specific Gravity Frame

Standards

EN 1097-6 ; EN 12390-7

Product Code

JB-050/1 Specific Gravity Frame.
JB-050/2 Craddle.
JB-050/3 Water Tank.

Used in conjunction with a suitable electronic balance for specific gravity determination of fresh and hardened concrete and aggregates . A purpose built robust frame designed to support the electronic balance. The lower part of the frame incorporates a moving platform , which carries the water tank allowing the test specimens to be weighed in both air and water. The balance is not included in the test set and must be ordered separately. Any type of electronic balance fitted with under-bench weighing facility can be used.Lifting device, cradle and plastic water tank are supplied complete with frame.
Dimensions:400x500x970 mm.
Weight : 25.5 Kg

Poker Vibrator

Standards

AASHTO T126 ; AASHTO T23 ; ASTM C 192
ASTM C 31;EN 12390-2

Product Code

JB-027 Poker Vibrator

Poker Vibrator is ideal for the internal compaction of concrete specimens and a good alternative to traditional tamping bar especially when there are large numbers of specimens to be compacted. Flexible shaft length and tip diameter can be selected upon user's request. **220–240 V, 50–60 Hz, 1 ph.**

Model	JB - 027	JB - 027/1
Dimensions (mm)	Ø38x400	Ø25x100
Weight (kg)	10	5
Frequency	18000	9000

Kelly Ball Apparatus

Standards

ASTM C 360

Product Code

JB-016 Kelly Ball Apparatus

Kelly Ball Apparatus measures the workability of concrete. It is considered to be much simpler and faster than the slump test. This field test determines the depth to which the apparatus will sink under its own weight into fresh concrete. It can be used on site or in the laboratory. It consist of a cylinder with ball-shaped bottom and 14 kg weight stirrup handle graduated by ¼ inch.

Dimensions : 150 x 330 x 330 mm.
Weight : 16 kg.

Concrete Mortar Pevelroveter

Standards

AASHTO T197; ASTM C 403; UNI 7123

Product Code

The apparatus is used for determination of setting time of the mortar fraction of fresh concrete. The apparatus consists of a spring loading device which is graduated from 2 to 150 lbs, supplied complete with a set of needle points of 650, 325, 160, 65, 32, and 16 mm2 area. A sliding ring indicates the load reached.
Weight(kg) 2 kg.

K-Slump Tester

Standards

ASTM C1362 ; EN 933-8

Product Code

JB-018 K-Slump Tester

For determining the compaction degree and workability of fresh concrete; the result is directly correlated to the standard slump test.
Dimensions: 70x70x300 mm
Weight : 500 gr.

Pocket Penetrometers

Standards

AASHTO T197 ; ASTM C 403 ; UNI 7123

Product Code

JB-019 Pocket Penetrometers
JB-021 Pocket Penetrometers (Dial)

For determining the compaction degree and workability of fresh concrete; the result is directly correlated to the standard slump test.

Masonry Saw

Standards

EN 1367-3

Product Code

JB-043 Masonry Saw

Model	Small	Junior	Major
Blade dia.(mm)	350	450	600
Max. Cutting(mm)	110	175	250
Cutting Length(mm)	700	600	650
Motor (Hp)	3 - 220 - 380 V	5.5 - 380 V	5.5 - 380 V
Motor for cutting with water(Hp)	0.50 - 220 V	0.50 - 220 V	0.50 - 220 V
Dimensions (lxwxh) (mm)	1100x600x750	1100x600x750	1300x700x950
Weight(kg)	75	80	90

The Masonry Saw has been developed to cut and prepare test samples of concrete, rock specimens and cores. It is available in three different models. Special clamp assembly allows specimens to be held during cutting operation. The machine is supplied complete with circulation water pump.

Electric Core Drilling Machine

Product Code

JG-053 Electric Core Drilling Machine
Coring angle :360°

Poker Vibrator is ideal for the internal compaction of concrete specimens and a good alternative to traditional tamping bar especially when there are large numbers of specimens to be compacted. Flexible shaft length and tip diameter can be selected upon user's request. **220–240 V, 50–60 Hz, 1 ph.**

Karot Bıçağı	Inside Dia mm
JG - 054	50
JG - 055	75
JG - 056	100
JG - 057	125
JG - 058	150
JG - 059	200

Compaction Factor Apparatus

Standards

TS EN 12390-3; BS 1881:103

Product Code

JB-042 Compaction factor apparatus

Designed to undertake a more precise and sensitive test procedure than the simple slump test.
The apparatus consists of two conical hoppers mounted on a cylinder.
Galvinezed double steel sheet flow table with top plate
The compacting factor is the ratio between the weight of the partially compacted concrete and the weight of the fully compacted concrete.
Supplied complete with tamping rod dia. mm 16x600 long.
Dimensions: 500x400x1510 mm.
Weight : 55 Kg

V Funnel

Standards

UNI 11042, Rilem report No. 23

Product Code

JB-054 V Funnel

The apparatus is used to evaluate the segregation resistance of freshly mixed self compacting concrete by the observation the flowing speed due to the difference of samples remaining period in the funnel.
The test set consists of a stainless steel funnel placed vertically on a supporting stand. The discharge orifice is equipped with a lid, which can be momentarily opened.
Dimensions: 570x920x300 mm.
Weight : 6 Kg.

U Shape Box

Standards

EN 11044

Product Code

JB-057 U Shape Box

The U Shape Box is used to determine the confined flowability and the capacity of SCC concrete to flow within confined spaces.
The box is made of galvanized steel frame consisting of four 10 mm diameter and three 13 mm diameter bars.
Dimensions: 200x280x680 mm.
Weight : 25 Kg.

L Shape Box

Standards

EN 11044

Product Code

JB-057 L Shape Box

The L Shape Box is used for evaluation of self compactability (confined flowability) of freshly mixed self compacting concrete.
The box gives the opportunity to evaluate different properties, such as filling ability, passing ability and resistance to segregation.

Dimensions: 700x200x600 mm
Weight : 18 Kg

Waltz Container

Standards

EN 12350-4; DIN 1048; UNI 9420

Product Code

JB-020 Waltz Container

Waltz Container is used for determining the degree of compactability and consistency of fresh concrete. It consists of metal box with two handles.
Box is electrostatic dyed.
Dimensions: 200 x 200 x 400 mm (w x d x h).
Weight: 5 kg.

Rebound Concrete Test Hammer N Type

Standards

EN 12504, 2; ASTM C805; UNI 9189; DIN 1048; BS 1881:202; NF P18-417

Product Code

JB-058 Rebound Concrete Test Hammer N Type

Suitable for concrete structures and buildings, having finished Resistances strength.
N-type.
Spring impact energy 0,225 mkg.(2,207 Joule).
Strength range: 10 to 70 N/mm2 (100 to 700 kgf/cm2).
Calibration curve chart in N / mm 2 (Mpa) values.
Aluminum frame.
Carrying Case.
Carborundum stone for abrasive.
Spare Test Spring.
Phillips screwdriver.

Digital Concrete Test Hammer N Type

Standards

EN 12504, 2; ASTM C805; UNI 9189; DIN 1048; BS 1881:202; NF P18-417

Product Code

JB-058/1 Rebound Concrete Test Hammer N Type

Suitable for concrete structures and buildings, having finished Resistances strength.
N-type.
Spring impact energy 0,225 mkg.(2,207 Joule).
Strength range: 10 to 70 N/mm2 (100 to 700 kgf/cm2).
Calibration curve chart in N / mm 2 (Mpa) values.
Aluminum frame.
Carrying Case.
Carborundum stone for abrasive.

Calibration Anvil

Standards

EN 12504:2

Product Code

JB-060 Calibration Anvil

The average of every 100 test results, are used to calibrate the test attractive.

Weight: 6 kg.

Cylinder Capping Equipments

Standards

TS EN 12390/2; ASTM C617,C31,C192; AASHTO T23,T216

Product Code

JB-015 Cylinder Capping Equipments

Cylinder Samples Capping Frame.
Model for Cylenders, 75, 100 and 150 mm.
Comprising a vertical support, mounted on a steel base.

Pull Off Tester

Standards

EN 1542; EN 1015-12; EN 13687-2
EN 13963; EN 14496

Product Code

JT-1789 Pull Off Tester

This dynamometer provides you with information on both the adhesive force and the tensile strength of two layers of materials: lime, facing plasters, mortars, building plasters, cements, concrete and resistance of anchoring studs.
Compact, light (3,5 Kg.), stand-alone.
Load is applied by turning the crank.
The reading is achieved through a digital display or a dial indicator's pointer which becomes blocked at the peak level of the testing.
Models of different capacities are available and adhesion
Metal discs having dia. 20 and 50 mm can be used, depending to the expected pull force.
The instrument is supplied without accessories to be ordered separately.
To carry out the test a common electric drill is required.

Ultrasonic Device

Product Code

Ultrasonic Device

2 piezoelectric probe 55 kHz
2 cable (3.6 m).
Oscilloscope.
Low battery notification.
System calibration.
Complete with bag.

Reinforcement Detection Device

Product Code

JB-063 Reinforcement Detection Device

Measuring Depth : 180 mm.
Reinforcement Diameter: 6 mm - 50 mm.
Supplied with Calibration Certificate.
Dimensions : 210 mm x 153 mm x 90 mm h.
Weight : 1350 g.

Crack Detection Microscope

Product Code

JT/ÇM Crack Detection Microscope

The equipment is used to measure the crack width in the concrete elements.
The equipment is supplied with an adjustable light source and adjustable focus to have a better and clearer view for the crack.
The measuring range for the microscope is 0 to 10 mm. with divisions of 0.1 mm and subdivisions of 0.01mm.The magnification ability of the microscope is x50.

Sieve Set

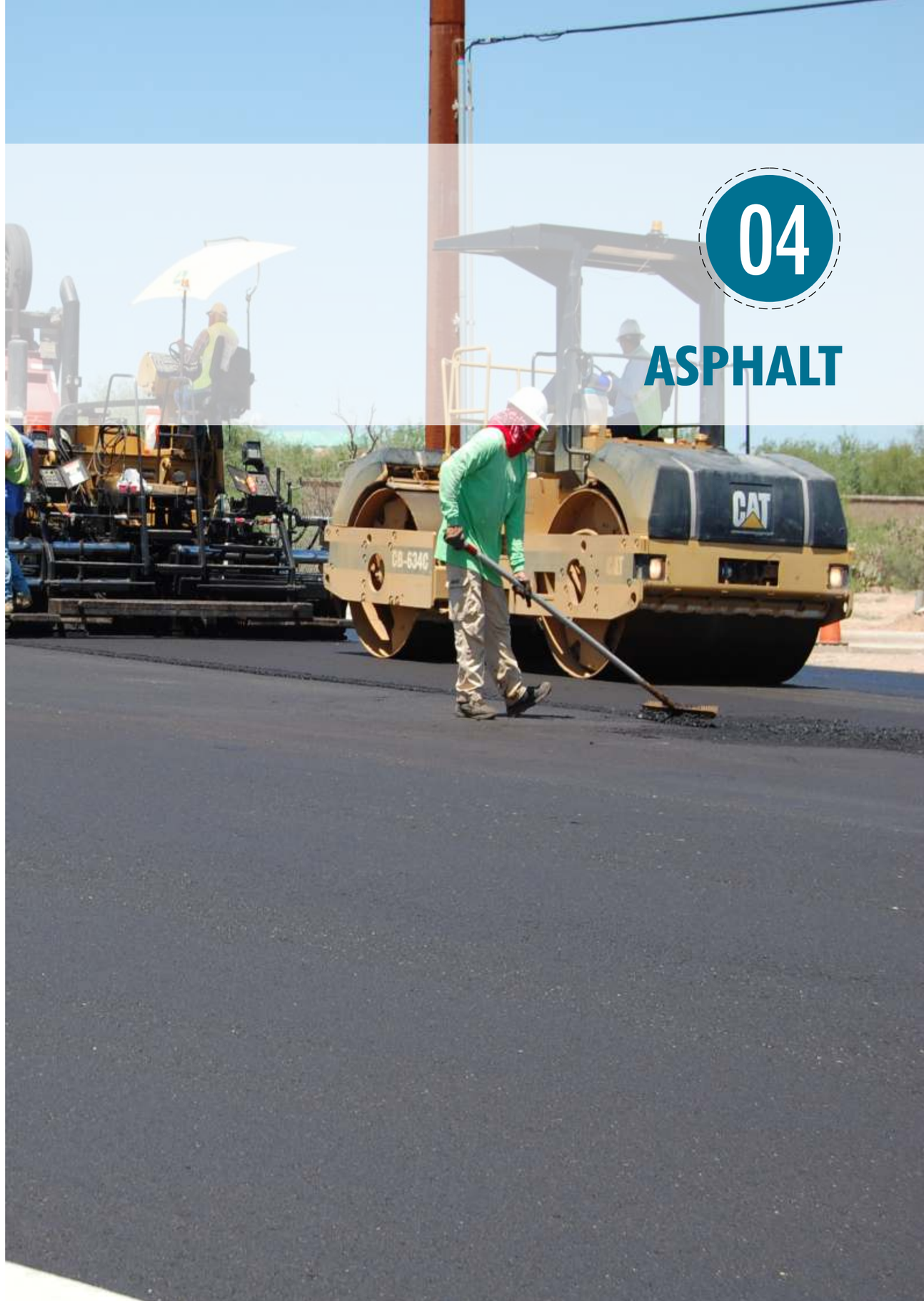
Standards

EN 1542; EN 933-2; ISO 565
ISO 3310-1/2;ASTM E11

Product Code

JG-065 (Glenammer, imported certificate from England)
JG-066 JEOTEST Brand

Hoop dia 200 mm
31,5- 22,4- 16- 11,2- 8- 5,6- 4- 2- 1- 0,5- 0,25- 0,125- 0,063 mm
with 13 piece analiysis sieve, lid and receiver



04 ASPHALT

Marshall Stability Machine

Standards

ASTM D1559; AASHTO T245; T283; BS 598:107NF
P98-251-2; DIN 1996; CNR N0 30; pr EN 12697-34

Product Code

JAS- 005 Marshall Stability Machine
JAS- 005/1 Breaking Head 100 mm.
JAS- 005/2 Breaking Head 150 mm.
JAS- 005/3 Indirect tensile assembly 100 mm.

The Marshall Stability Test Machine is used to determine the load and flow values of bituminous mixtures. The JAS 005 comprises a compact two column frame with adjustable upper cross beam driven by an electro-mechanical ram with a maximum capacity of 50 kN and a data acquisition and processing system.
The machine can be hand operated by a lateral hand wheel for calibration
purposes. The mechanical jack raises the lower cross beam at a constant speed of 50,8 mm/min. The limit switches are provided for the both, bottom and top limit of travel.
The measuring system consists of a 50 kN capacity strain gauge load cell is fitted to the upper cross beam to read stability values and 25 mm x 0.001 mm displacement transducer fitted to the Breaking Head.

Power : 220V 50 Hz.
Weight : 70 kg.

Marshall Extruder

Product Code

JAS- 007 MARSHALL EXTRUDER

Sample extruder is designed to easily extrude samples from Marshall moulds. It is 30kN capacity and supplied complete with manual hydraulic jack. The extruder can be also used for CBR and Proctor moulds with suitable adaptors.

Dimensions: Ø300x540 mm
Weight : 12 Kg

Automatic Marshall Compactor

Standards

EN 12697-10; EN 12697-30;ASTM D6926; AASHTO T245

Product Code

JAS- 022 Automatic Marshall Compactor

Automatic Marshall compactor use to produce Marshall Specimen from hot mix asphalt.
Machine features a rotating mold mechanism and a hammer with a beveled foot, which together produce a kneading action when producing test pills. The machine's automatic counter allows the operator to preset the number of blows wanted and will turn off the machine when completed. The unit includes a compression pedestal, BS EN 598 safety standards for manufactured 12697 -30. This block contains a laminated wood 30 mm sq x 25 mm thick metal plate is protected.
Mechanism of action in weight 4.53 kg, 457 mm to the desired height to allow access and free-fall. The unit is fully compliant to changes in standards. Mould set should be ordered saparetly.

Dimensions : 1880 x 535 x 535 mm.
Power : 220 V 50 Hz.
Weight : 185 kg.

Marshall Mould

Standards

ASTM D 6926; EN 12697-10

Product Code

JAS- 006 Marshall Mould
JAS- 006/1 Baseplate.
JAS- 006/2 mould body
JAS- 006/3 Collar

To produce the Marshall specimens with automatic or hand compactors.
Comprising base plate, mould body and collar.
Weight: 4 kg.

Ductilometer Test Instrument

Standards

EN 13589:2003; ASTM D113; AASHTO T51

Product Code

JAS- 017 DUCTILOMETER TEST INSTRUMENT
JAS-017/1 OVCTILOMETER MOULD

Used to determine bitumen ductility . The elongation of briquet mould is contolled under special conditions. Ductulity device has a moveable sliding rod on a guide line , driver motor, plunging type heater with digital thermostat , cooling unit and a big tank where the pump is placed.
It works automatically with a velocity of 50 mm/min and has maximum stroke of 1500 mm .
Tank and external frame are insulated with stainless steel and glass fiber. Temperature of water bath is hold constant at 25 °C ± 0,5 °C .

Technical Specifications

Size 2140 x 350 x 750 mm.
Weigt 130 kg.
Electrical supply 220 V, 1ph, 50 Hz.
Loading speed 50 mm/min.
Max. Stroke 1500 mm.
Temperature 25 °C ± 0,5 °C.

Mobile Pavement Core Drill Machine Penetrometer

Standards

ASTM D 5; EN 1426; AASHTO T 49; BS 2000; CNR 24E 24

Product Code

JAS- 019 Mobile Pavement Core Drill Machine
JAS- 018/1 Coring Bit 50mm dia.
JAS- 018/2 Coring Bit 100mm dia.
JAS- 018/3 Coring Bit 150mm dia.

Petrol engine, 50, 100.150 mm in diameter is used for sampling.
The machine is easily transportable thanks to the portable structure and wheels. Water spray apparatus is mounted on.
Fixed at 4 points during the coring location. Motor power 6.5 Hp.

Core Drilling Machine

Standards

EN 12697-27

Product Code

JAS- 018 Core Drilling Machine
JAS- 018/1 Coring Bit 50mm dia.
JAS- 018/2 Coring Bit 100mm dia.
JAS- 018/3 Coring Bit 150mm dia.

The compact and portable core drilling machine is designed to cut cores up to 150 mm diameter from concrete, asphalt and similar hard construction material. The machine comprises a vertical support column which carries the drill head/motor assembly. The motor assembly comprises 6,5 Hp petrol.

Manual Penetrometre

Standards

ASTM D 5; EN 1426; AASHTO T 49; BS 2000; CNR 24

Product Code

JAS- 008 Manual Penetrometre

Used to determine the consistency of a bituminous sample under fixed conditions of load, time and temperature. The penetration is expressed in distance of tenths of millimeters vertically penetrated by a standard needle. The standard penetrometer is ruggedly constructed, with a base table in light alloy with levelling screws, plated vertical rod, micrometric vertical adjustment device.
The slider is brass made with free fall. The dial, division 0,1 mm. The penetrometer is supplied with stop and release push button, automatic zero set, micrometer adjustment, set of weights 50 and 100 g. penetration needle, two sample cups dia. 55x35 mm and 70x45 mm.
Dimensions: 220x170x410 mm.
Weight : 11 Kg.

Semi-Automatic Penetrometer

Standards

ASTM D 5; EN 1426; AASHTO T 49; BS 2000; CNR 24E 24

Product Code

JAS- 009 Semi-Automatic Penetrometer
JAS- 009/1 Penetration Needle.
JAS- 009/2 Transfer Dish.
JAS- 009/3 Sample Cup.

Used to determine the consistency of a bituminous sample under fixed conditions of load, time and temperature. The penetration is expressed in distance of tenths of millimeters vertically penetrated by a standard needle
Basically structured as mod. magnetic controller device with electronic digital programmable timer that automatically releases the plunger head and ensures free falling of the needle during the 5-seconds test.

Power : 220-240 V 1ph 50 Hz 200 W.
Dimensions: 220x280x410 mm.
Weight : 15 Kg.

Cleveland Open Cup Flash And Fire Point Tester

Standards

EN 22592;ASTM D92;AASHTO T48

Product Code

JAS-025 CLEVELAND OPEN CUP FLASH AND FIRE POINT TESTER

To determine the "open-cup", flash and fire points of oil products with a fl ash point above 80°C.
Calibrated cup. Gas or liquid gas lighting device above the cup.
550 W electric thermostatic heater.
Power supply: 220-240 V 1ph 50 Hz 550 W
Dimensions : 220 x 220 x 450 (h) mm.
Weight : 11 Kg.

Reflux Extractor

Standards

AASHTO T164 B; ASTM D2172-

Product Code

JAS- 002 Reflux Extractor 1000 gr.
JAS- 003 Reflux Extractor 4000 gr.
JAS- 003/1 Filter Paper 400mm dia (pack of 50).

Used for the quantitative determination of bitumen in hot-mixed paving mixtures and pavement samples.
The Reflux Extractor is available in two, 1000 g and 4000 g capacity models. The apparatus comprises a cylindrical glass jar, two wire mesh cones with interlocking frames, a water condenser with inlet/outlet tubes, hot plate and 50 filter papers.
Power : 220 V, 50–60 Hz, 1 ph.

Model	JAS- 002	JAS- 0023
Weight (kg)	5	8

Centrifuge Extractor Machine Penetrometer

Standards

AASHTO T164A ; ASTM D2172 ; EN 12697-1

Product Code

JAS- 020 Centrifuge Extractor 1500 gr capacity.
JAS- 020/1 Filter Paper for 1500 gr.
JAS- 020/2 Filter Paper for 3000 gr.

The centrifuges are used for the determination of bitumen percentage in bituminous mixtures. All models comprise a removable precision-machined rotor bowl housed in a cylindrical aluminium box. They are driven by an electric motor fitted with AC drive (inverter) with the double function of speed control up to 3600 r.p.m. regardless of the frequency (50 or 60 Hz) and electrical braking. The rotating unit is suspended on the base by four calibrated springs, which assure a perfect stability all over the test. The cover is precisely machined and fitted with solvent resistant gasket to avoid leakages. The control panel includes: Start/Stop button, speed control knob.The Centrifuge Extractor is available in two,1500g and 3000g capacity models.The apparatus is supplied complete with 100 filter papers.
Power: 220 V, 50–60 Hz, 1 ph.

Filter Paper Pack of 100

Standards

AASHTO T164A ; ASTM D2172 ; EN 12697-1

Product Code

JG-324 Filter Paper square, 40 Cm.

Marshall Mixer

Standards

EN 12697-35

Product Code

JAS- 001 Bituminous Mixture Tests
JAS- 001/1 Mixing Bowl 5 lt.
JAS- 001/2 Mixing Whisk

The 5 liter capacity mixer is designed for mixing of samples to be used for mechanical test as for example compaction, indirect tensile, Marshall etc. The bituminous mix must be prepared at prescribed temperature for this reason the mixer can equipped with thermostatically controlled heater.The user can choose speeds easily by using switch fitted to the machine. The mixer is made of stainless steel and supplied complete with 5lt capacity bowl and the beater.
Comes with isomantle heater.
220 V, 50-60 Hz, 1 ph.
Dimensions: 650x600x380 mm.
Weight : 100 Kg.

OTO Automatic Ring and Ball Apparatus (Softening Point)

Standards

EN 1427; ASTM D36; AASHTO T53

Product Code

JAS- 015 OTO Automatic Ring and Ball Apparatus (Softening Point)

The machine can save temperature for each bitumen sample separately even the difference between two samples. The bath temperature is measured by an electronic system maintaining the gradient (5°C./min) as specified by the Standards. A magnetic stirrer with electronic speed adjustment from 0 to 160 rpm also ensures an uniform temperature in the vessel during the test execution. Two test parameters can be selected by the microprocessor menu:
- Test on boiled distilled water for softening point from 30 to 80°C.
- Test on glycerol for softening point from 80 up to 150°C.

The unit consists of, Electronic Control Unit, Temperature sensor (Probe), Optical sensors, Electric Heater, Magnetic Stirrer, Beaker, Ring holder, 10 balls and 10 rings. Automatic softening point machine is used to determine the softening point of the bitumen which is designed for EN 1427, ASTM D36, AASHTO T53.

Specifications

Heater : 0,8 KW. **Weight : 22 kg**
Dimensions : 320x400x455 mm **Power Supply : 220 – 240V 1ph 50/60Hz.**

Manuel Ring and Ball Apparatus (Softening Point)

Standards

ASTM D36; AASHTO T53-NFT 66 008; BS 2000; UNI4161; DIN52011 UNE7111; CNR N ° 35

Product Code

JAS- 015 Manuel Ring and Ball Apparatus (Softening Point)
JAS- 015/1 Magnetic Stirrer with Heater
JAS- 015/2 Rings
JAS- 015/3 Steel balls
JAS- 015/4 Ball centering apparatus
JAS- 015/5 Pyrex breaker
JAS- 015/6 Thermometer

Manuel softening point machine is used to determine the softening point of the bitumen.
The unit consists of a pyrex breaker, two tapered rings, two ball centering guides and two balls, thermometer, holder and heater.

Specifications

Weight : 12 kg.
Dimensions : 320x400x455.
Power Supply : 220 – 240V 50/60Hz.

Engler Viscometer

Standards

EN 12846; EN 13357; ASTM D 940;D 1665
AASHTO T54; BS 2000 NF T66-020; CNR N° 1021

Used to compare the specific viscosity of road-oils and tars to the viscosity of water.
It consists of a water bath complete with digital precision thermoregulator, electric stirrer, cooling device, Engler flask.
Power supply: 220-240 V 1 ph 50 Hz 300 W.
Dimensions: 265x270x550 mm.
Weight: 12 kg.

Two Tube Saybolt Viscometer

Standards

ASTM D88; AASHTO T72; UNE 7066;UNE 51021

Product Code

JAS- 010 Two Tube Saybolt Viscometer
JAS- 010/1 Saybolt Viscosity Bottle 60 ml
JAS- 010/2 Glass Termometer Set , 6 piec (19-27C, 34-42C, 49-57C, 57-65C, 79-87C, 95-103C).

Used to determine the viscosity of petroleum products at specified temperatures between 70 to 210 °F. Stainless steel made, the Saybolt viscometer is supplied complete with two interchangeable orifices "Furol" and "Universal", oil bath, electric heater with digital thermoregulator, stirrer, cooling coil, viscosity flask. Thermometers, filter funnel, withdrawal tube "are not included" and must be ordered separately. The viscometer is equipped of a dual safety thermostat to prevent accidental over-heatings.

Power supply: 230 V 1 ph 50 Hz 500 W Dimensions: 270x270x550 mm. Weight: 12 Kg.

Thin Film Oven TFOT

Standards

ASTM D2872; AASHTO T240; CNR N°54 ; EN 13303

Product Code

JAS- 016 Thin Film Oven TFOT

Utilized to measure the air and heat effect on a moving film of asphaltic semisolid materials.
External frame and internal chamber are stainless steel made with insulated fiberglass intermediate chamber.
Provided of large glass door for inspections. The oven must be connected to a suitable air pressure supply.
Supplied complete with precision digital thermostat to maintain 163°C temperature, control thermometer ASTM 13C, ventilation device, set of eight glass containers dia. 64x140 mm. The oven is equipped of a dual safety thermostat to prevent accidental over-heatings.

Power supply : 230 V 1 ph 50 Hz 1300W.
Dimensions : 620x620x910 mm.
Weight : 55 Kg.

Rolling Thin – Film Oven

Standards

ASTM D2872; AASHTO T240

Product Code

JAS- 016 Rolling Thin – Film Oven

The rolling thin film oven is used to measure the effect of heat and air on a moving film of semi-solid asphaltic material.
The results of this treatment are determined from measurements of the asphalt properties before and after the test. Internal chamber is stainless steel, provided of large glass door for inspection. Comes with 8 pcs of glass container.

Dimensions : 730 x 750 x 630 mm.
Power supply: 220 V 50 Hz.
Weight : 96 kg.

Water Bath

Standards

ASTM D1559

Product Code

JG-049 14 liters.
JG-050 30 liters.
JG-051 48 liters.

Ideal for general laboratory use including Marshall tests. Internal surfaces of polished stainless steel and housed in a sheet steel insulated outer case. They are offered in different sizes. Thermostatic heat controlled baths are supplied complete with cover.

220 V, 50–60 Hz, 1ph.

Emulsified Asphalt

Standards

EN 1431; ASTM D244;AASHTO T59

Product Code

JG-017 EMULSIFIED ASPHALT

Used for the determination of cut-back asphaltic materials by the distillation test. The set is formed by: aluminium still container, glass connectors including condenser, stands, graduated cylinder, two thermometers ASTM 7C range -2 to +300°C, bunsen burner with gas stop valve controlled

Weight: 12 Kg.

Benkelman Beam Device

Standards

AASTHO T256-77;CNR N141

Product Code

JG-478 BENKELMAN BEAM DEVICE

Benkelman Beam Device, alluminium alloy made, complete with dial indicator and accessories, it is utilized to measure the deflection of the road surface when l oaded by the wheels of vehicles. The beam is put in contact with the pavement under test between the tires of the vehicle. The measurement of the deflection is performed when the vehicle passes over the test area. Lenght of the Benkelman beam is 250 cm. Beam fulcrum ratio 4:1 Supplied complete with wooden carrying case.

Weight: 15 Kg

Traveling Beam Device Machine

Product Code

JAS- 017 Traveling Beam Device

The Travelling Beam Device is used for detecting surface irregularities in both concrete and asphalt pavement. The apparatus consists essentially of a 3 meter length beam with rigid wheels at the extremities and a wheel at the middle, which can detect any vertical deviation of the surface from a straight-line between the two wheels at the ends of the machine. Measuring capacity of the device is ±25 mm with 5mm increments. It comprises manual dye marker which can mark irregular surfaces of the road.

Beam Length: 3 m.

Weight : 60 kg

Adhesion Test Apparatus "Vialit Plate" Machine Penetrometer

Standards

EN 12272-3; NF P98-274-1

Product Code

JAS- 024 "Vialit Plate" Adhesion Test Apparatus

"Vialit plate" adhesion test apparatus is used to assess the adhesion property of aggregates to bitumen. The apparatus consists of a metal basement with three vertical pointed rods to hold the test plate; vertical rod 50 cm high with a shot at the upper end for the steel ball to drop; a 512 g steel ball; 6 metal test plates, hand operated rubber lined roller with lead shots ballast.

Weight: 40 kg.

Non Nuclear Electromagnetic Density Gauge

Standards

EN 12272-3; NF P98-274-1

Product Code

JAS- 024/050 Non Nuclear Electromagnetic Density Gauge

- Pavement tests.
- Real time measurements, in a continous mode.
  LCD visualization of:

- Average density.
- % Maximum density.
- % Air voids.

- No moisture or temperature corrections are needed.
- Non Nuclear device, so maximum safety for operator
- Setting on a referenced test plate only the first time the device is turned on.
- Storing up to 999 measurement data records and RS-232 computer interface.
- Infrared sensor for an accurate measurement of the road surface.
- Rechargeable batteries for 32h continous usage.
- Charging supply for standard 230V/50Hz or 12Vcc.

Dimensions: 229x406x152 mm

Weight : 5 Kg

The Electromagnetic Density Gauge is a non nuclear sensing device that allow field density real time measurement of asphalt.
This techni-cally advanced instrument for quality control allow operators to immediately identify spots with low pavement density and trigger correc-tive actions leading to more uniform pavements.
Density measurements are related to the dielectric property of asphalt in the first 40 mm of depth.
This instrument allow continous reading along the pavement to detect air voids or non uniformity.
The telescoping handle is projected to perform many measure-ments without bending.Tests can be executed also at high tempera-tures, when the pavement is still hot (max 175°C). The Electromagnetic densimeter allow:

Nuclear Moisture and Density Gauge

Standards

ASTM D6938,D2950,C1040; AASHTO T310

The gauge features a menu-driven control panel with easy-to-use built-in test routines and auto features, making testing a quick and accurate operation. It also features our innovative trigger release handle that eliminates pinched fingers while providing smooth operation. Available in 8" (200mm) and 12" (300mm) lengths with either 1" (25mm) or 2" (50mm) increments, the EZ gauge provides a single gauge solution to density and moisture measurements. The gauge's versatility allows it to measure density through direct transmission and backscatter modes, as well as including thin lift and trench modes, as well as moisture determinations. The gauge uses an advanced micro-processor-based technology to provide highly-accurate measurements of density and moisture that are automatically computed for direct readouts of wet density, dry density, moisture content, percent of moisture, percent of compaction (Proctor or Marshall), void ratio and air voids. The EZ Gauge complies with all pertinent standards: ASTM D6938, D2950, C1040 and AASHTO T310. The gauge is calibrated by the Five-block calibration method.

-Menu driven.
-Built-in test routines.
-4 lines x 20 alphanumeric character backlit liquid crystal display.
-Real time clock and self-calibration.
-Direct readings in engineering units.
-Inexpensive, easy-to-replace 1,600-hour batteries.
-Totally contained automatic indexing.
-Thin layer asphalt measurements & trench correction.
-Expansion module for storage of up to 320 measurements.
-Optional computer or printer interface via infrared RS232 port.
-3 times measurement (15sec/1min/4min).
-Direct Transmission Mode (for Soil) / Backscatter Mode (for Asphalt).

Dimensions : 660x585x355 mm
Power : 220 V 50 Hz.
Weight : 41kg.

Vacuum Picnometer

Standards

EN 12697-5; EN 13108; ASTM D2041;AASTHO T209,T283

Transparent plexiglass made, complete with valve and gauge, it is utilized for a rapid determination of asphalt content, bulk specific gravity of aggregates, the max. theoretic specific gravity of bituminous uncompacted road mixtures and the percent air voids in compacted mixtures.

Dimensions: dia. 300x450 mm
Weight : 10 Kg

Bitumen Content Furnace By Ignition Method

Standards

ASTM 6037; AASHTO TP53; BS (DD)
NCAT (National Centre for Asphalt Technology)

The unit provides asphalt content of bituminous paving mixtures accurate to 0.11%, with a fast, accurate, environmentally friendly, and cost effective method of determining asphalt content

Pressurized Aging Cabinet

Product Code

JAS- 024/069 Pressurized Aging Cabinet

PAV, according to Strategic Highway Research Program (SHRP) instruction it simulates the ageing the service oxidation ageing of asphalt compound materials It is according to ASTM standard D6521 And AASHTO standard method R28. PAV system komplete with ASME – code stainless steel box comprising heater , stainless steel pressure cabin ,sensible sample holder capable to hold 10 pcs sample simultaneously , 1 set totally 10 pcs TFOT sample tray, pressure controller , pressure and temperature measure unit , sample placing and take out spatula.

Specification Of General System

Compact, desc top type and with internal pressure cabin. pressure cabin lid can be opened over a support shoe for easy manuplation of samples.
internal timer unit shows the total excess time exept user defined entered values during 20 hours test.(this lasts approx. 10 min during 20 hours test)
device shows max. and min. temperatures at the end of test. Optional battery (ups or battery) holds the system in function in case of enegy intruption or volatility
optional remote control and data collection system enables to control the device over ethernet or modem.

Technical Specifications

Construction; desc top type , with internal pressure cabin and heater.
Sample capacity ; 10 (TFOT sample trays included).
Vertical loading and fixture; 0.05 mm parallelism.
Front panel screen; 4 rows , 20 characters , lightened, LCD screen , 4 function button, 4 way button and enter/ cancel button.
Optional battery system: min.4 h.

Test Parameters

Working pressure; 2.10 ±0.05 Mpa (21 bar).
Temperature interval; 90°C _ 110°C.
Temperature control; platinium RTD, microprocessor based.
Temperature control accuracy; ±0.1°C.
Test temperature distribution ; ±0.5°C.
Reach time to preconditioning temperature; 3 h (at ambience temperature).
Excess temperature control; internal high temperature alarm(135°C) thermal closing key (170°C).

Pressure Cabin

features:ASME code chapter VIII, 1. item1992 A93
Max. pressure; at 120°C , 2.24 Mpa (22.4 bar).
Pressure safety valve; 2.24 Mpa (22.4 bar).
Air inlet ; ¼ inch male NPT.

Pressure Cabin

Power; 230 VAC 50/60 Hz.
Pressure air; 2.24 Mpa (22.4 bar) pressure source (dry air).
Sensible , safe and user friendly

As the procedures are simple , man can test with 3 buttons:
1) Press the button "Heat".
2) once the device states , place the samples.
3) press "Age".

PAV test will be finished automat

Asphalt Sieve Set

Standards

EN 933-2; ISO 565
ISO 3310-1/2;ASTM E11

Product Code

JG-068 JEOTEST Brand

Hoop dia 200 mm
3"- 2 1/2"- 2" - 1 1/2" - 1" - 3/4" - 1/2" - 3/8"
No: 4 - 8 - 10 - 30 - 40 - 50 - 80 - 100 - 200
with 17 piece analiysis sieve, lid and receiver

05

SOIL

Automatic Soil Compactor

Standards

AASHTO T180; AASHTO T193; AASHTO T99
ASTM D1557;ASTM D698; BS 1377:4; BS 1990
EN 13286-2; EN 13286-47

Product Code

JZ- 030 Automatic Soil Compactor
JZ- 030/1 ASTM Rammer
JZ- 030/2 EN Rammer

The Automatic Soil Compactors is designed to provide a fully automatic uniform compaction of Standard / Modified and CBR specimens assuring conformity with the reference standard.
Compactor is equipped with programmable digital counter which allows machine to stop at the preset numbers of blows. The height and weight of the rammer is adjustable to suit test requirements.
The drop weight is adjustable to 300 mm drop height and is also adjustable to 450 mm drop height.
The rammer is circular faced with a 50 mm diameter and is adjustable to 2.5 kg. or 4.5 kg.An automatic blow pattern ensures effective compaction for each layer of soil and the rammer travels across the mould. The table rotates the mould in equal steps and the number of blows per layer can be set at the beginning of the test by the digital counter. User defined blow number and in-out distribution is also available.
A standard proctor / CBR switch, emergency stop and start push buttons are located beside the blow counter.
220 V, 50-60 Hz, 1 ph
Drop Height : 300-305-450-457 mm(adjustable)
Rammer Weight: 2.5-4.5 Kg.
Dimensions : 640x340x1506 mm.
Weight : 135 Kg.
Power : 370 W.

Soil Compaction Moulds and Rammers

Standards

ASTM D558; D698, D1557;
AASHTO T99; T180; BS 1377-4

Product Code

JZ- 011 Standard Proctor Mould ASTM
JZ- 012 Modified Proctor Mould ASTM
JZ- 013 Standard Proctor Rammer ASTM
JZ- 014 Modified Proctor Rammer ASTM

Moulds are used for determining the relationship between the moisture content and density of compacted soil. Made of plated steel, includes collar, mould body and base plate.
Rammers are used to compact the soil sample in the Proctor Moulds. Made of plated steel. Guide sleeve with vent holes.

Product Code	Description	Int. dia(mm)	Body Height(mm)	Weight (kg)
JZ - 011	Stand. Proctor Mould ASTM	101.6	116.4	7
JZ - 012	Modif. Proctor Mould ASTM	152.4	116.4	9

Product Code	Description	Rammer dia(mm)	Free Fall Height(mm)	Weight (kg)	Rammer Weight (kg)	Weight approx (kg)
JZ - 013	Stand. Proctor Rammer ASTM	50.8	305±1.6	7	2.49±0.01	3
JZ - 014	Modif. Proctor Ramer ASTM	50.8	457.2±1.6	9	4.54±0.01	5.3

Liquid Limit Device

Standards

ASTM D4318; BS 1377:2; AASHTO T89

Product Code

JZ- 004 MANUAL TYPE
JZ- 005 MOTORIZED TYPE

JZ- 004 MANUAL TYPE
Hand-operated liquid limit machine features mechanical revolution counter attached to the shaft to register the number of drops in the liquid limit cup.
Complete with Grooving Tool made of brass.
Dimensions : 120x140x110 mm.
Weight : 3 Kg.

JZ- 005 MOTORIZED TYPE
Motorized liquid limit machine gives uniform testing with greater degree of accuracy.
Unit is comprised of manual liquid limit machine with geared motor to give proper operating speed and automatic counter. Machine is attached to metal plate with rubber feet.
Includes grooving tool and gauge block.
Power Supply : 220V 1PH 50Hz Dimensions: 140x170x110 mm
Weight : 4.5 Kg.

Cone Penetromete

Standards

BS 1337:2; NF P94-052-1

Product Code

JZ- 002 Manuel Cone Penetrometer
JZ- 003 Automatic Cone Penetrometer
JZ- 003/1 Penetration Needles
JZ- 003/2 AluminumMoisture Content

Model	JZ-002	JZ-003
Weight (kg)	8.5	9.7

For determining the liquid limit of soils. This is specially useful to obtain reliable and accurate results of those soil which have low plasticity index. The percentage moisture contents determined when cone with half angle of 15-30 minutes under a total sliding weight of 148 gm penetrates 25mm gives the liquid limit.

Plastic Limit Test Set

Standards

ASTM D4318; AASHTO T90; BS 1377:2
UNI 10014; UNE 103-104; NF P94-051

Product Code

JZ- 007 Plastic Limit Test Set
JZ- 007/1 Glass Plate 300 x 300 x 10 mm
JZ- 007/2 Rod Caliper / diameter 3 mm
JZ- 007/3 Mixing Porcelain Dish
JZ- 007/4 Flexible Spatula
JZ- 007/5 Aluminium Moisture Tins

Used to determine the lowest moisture content of a soil, by which a sample can be rolled into threads dia. 3 mm without breaking the same neither longitudinally or transversely.

Shrinkage Limit Set

Standards

ASTM D427; ASTM T92; UNI 10014;
UNE 103-108;NF P94-060; BS 1377:2

Product Code

JZ- 006 Shrinkage Limit Set
JZ- 006/1 Shrinkage dish.
JZ- 006/2 Glass measuring cylinder.
JZ- 006/3 Prong plate.
JZ- 006/4 Two moisture content tins.
JZ- 006/5 Spatula.

When the water content of a fine-grained soil is reduced below the plastic limit, shrinkage of the soil mass continues until the shrinkage limit is reached. This method of test covers the determination of the shrinkage limit, shrinkage ratio, volumetric shrinkage and linear shrinkage.

Proktor Penetrometre for Soil

Standards

ASTM D1558

Product Code

JZ- 023 Proktor Penetrometre

The moisture-penetration finely ground grain is used to determine the interaction.
Interchangeable needle contains water (cm2 area): (6.45), (4.84), (3.22), (2.15), (1.29), (0.65), (0.32), (0.22) and (0.16).
Units, which handle the pressure at the top of the scale, which includes a specially calibrated spring dynamometer.
Apparatus, penetration strength 62 lbf (10N) is capable of measuring with accuracy and at least 130 lbf (600N) is available

Pocket Penetrometers

Standards

ASTM D2573-94

Product Code

POCKET PENETROMETERS
POCKET PENETROMETERS (Dial)

Pocket penetrometer is used to classify the cohesive soils based on the approximate consistencies measured in the field and to determine the uniaxial compressive strength.

Measuring Range: 0 to 4.5 kgf / sq.cm.
Dimensions : 19x153 mm.

Pocket Type Vane Shear Apparatus

Standards

ASTM D427; ASTM T92; UNI 10014;
UNE 103-108;NF P94-060; BS 1377:2

Used to quickly find shear strength of binding materials of soil in laboratory or field conditions.
Direct reading dial as Kgf/cm2.
Measuring range: 0-1 Kgf/cm2
Complete with stainless steel vane.
Weight: 300 gr.

Proving Ring Penetrometer

Standards

TS 1900-1;ASTM D2937;BS 1377/9

Used to determine the bearing capacity of subgrades, or to measure soil compaction. Light and easy to handle in the field. A rapid means of determining the penetration resistance of soil in shallow exploration surveys. Includes: 30°, 1 sq. in. (6.45 sq cm) cone; 250 lb. (1.1kN) capacity proving ring; brake type dial indicator, holds final reading until manually released; 3/4" (19mm) dia. shaft, graduated at 6", (152mm) intervals; 3/4" (19mm) dia. extension rod, graduated at 6" (152mm) intervals; cast aluminum T-handle.
Weight:6,8 kg.

Sand Cone Density Set

Standards

AASHTO T191; ASTM D1556

Product Code

JZ- 019 Sand Cone Density Set
JZ- 019/1 Sand Cone Set 6.
JZ- 019/2 Sand Cone Base Plate 6. For the on site determination of the degree of compaction.
JZ- 019/3 Plastic Sand Jar 5 lt. Complete set includes double cone, plastic sand jar 5lt capacity and metal tray.

Sand Replacement Test Set

Standards

BS 1377:9 ; BS 1924:2

Product Code

JZ- 020 Sand Replacement Test Set 100 mm
JZ- 021 Sand Replacement Test Set 150 mm
JZ- 022 Sand Replacement Test Set 200 mm

For the on site determination of the degree of compaction.
Complete set consists of pouring cylinder. The sand pouring cylinder is made of cast aluminium and precisely machined; and tray are made of plated steel. The test set is available in three different sizes.

Sand Density Pulley Apparatus

Product Code

JZ-032 Sand Density Pulley Apparatus

Linear Shrinkage Mould

Standards

BS 1377:2

Product Code

Linear Shrinkage Mould

The test covers the determination of the shrinkage of soils and indicates the plastic properties of soils with low clay content.
Dimensions(mm): 140x12.5.
Weight(kg) : 0.3.

Speedy Moisture Tester Kit

Standards

ASTM D4944; AASHTO T217; BS 6576

Product Code

JT-MCR Speedy Moisture Tester Kit

Field conditions dust, pulp mixture and the soil, sand, clay, aggregate and other granular materials quickly and accurately detect moisture content.
moisture within the sample, as a result of reaction with calcium carbide acetlyene gas occurs. The resulting pressure caused by gas, dial indicator is determined as the percent moisture content. Within a few minutes into the issue determines the moisture content of the sample.
Precision Scale, measuring spoons and cups, calibration kit, 1 box of calcium carbide reagent, cleaning brush, wooden enclosure with a complete set as.
20 cup capacity .
Humidity Range: 0-20%
Net Weight: 8 Kg

NUCLEER DENSITY GOUGE

Standards

ASTM D6938; D2950; C1040; AASHTO T310

Product Code

JND 01 - NUCLEER DENSITY GOUGE

The gauge features a menu-driven control panel with easy-to-use, built-in test routines and auto features, making testing a quick and accurate operation. It also features our innovative trigger release handle that eliminates pinched fingers while providing smooth operation. Available in 8" (200mm) and 12" (300mm) lengths with either 1" (25mm) or 2" (50mm) increments, the EZ gauge provides a single gauge solution to density and moisture measurements. The gauge's versatility allows it to measure density through direct transmission and backscatter modes, as well as including thin lift and trench modes, as well as moisture determinations. The gauge uses an advanced micro-processor-based technology to provide highly-accurate measurements of density and moisture that are automatically computed for direct readouts of wet density, dry density, moisture content, percent of moisture, percent of compaction (Proctor or Marshall), void ratio and air voids. The EZ Gauge complies with all pertinent standards: ASTM D6938, D2950, C1040 and AASHTO T310. The gauge is calibrated by the Five-block calibration method.

-Menu driven.
-Built-in test routines.
-4 lines x 20 alphanumeric character backlit liquid crystal display.
-Real time clock and self-calibration.
-Direct readings in engineering units.
-Inexpensive, easy-to-replace 1,600-hour batteries.
-Totally contained automatic indexing.
-Thin layer asphalt measurements & trench correction.
-Expansion module for storage of up to 320 measurements.
-Optional computer or printer interface via infrared RS232 port.
-3 times measurement (15sec/1min/4min).
-Direct Transmission Mode (for Soil) / Backscatter Mode (for Asphalt).
Dimensions : 660x585x355
Power : 220 V 50 Hz.
Weight : 41kg.

PERMEABILITY TEST SET

Standards

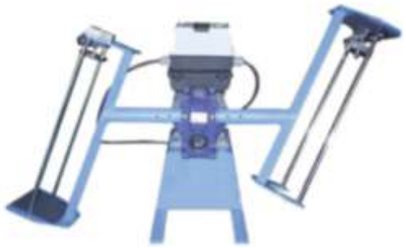
BS 1377; ASTM 46-47

Product Code

JZ- 024 Permeability Test Set

The Combination Permeameter is designed for laboratory determinations of permeability of either fine-grained or coarse-grained soils. Generally, soils containing 10 percent or more particles passing a no. 200 sieve are tested using the falling head assembly. More granular soils, containing 90 percent or more particles retained on the no. 200 sieve, are tested using the constant head assembly.Including : Permeability Test Set compricing 4 permeability cells, 4 glass tubes, reservoir tank, metre scale, rubber tubes.

End-Over- End Shaker



Standards

BS 1377:2 ; EN 1997-2

Product Code

JZ- 028 End-Over- End Shaker

This method applies for soils containing up to 10% of particles retained on a 37.5 mm sieve.
End-over-end shakes is used to rotate two gas jars at approx. 50 r.p.m.
1 litre capacity Gas Jar is made of glass and supplied complete with rubber bung and glass cover.
220 V, 50-60 Hz, 1 ph.
Power:180 W.
Weight:21 Kg.

Mud Balance

Standards

ASTM D 2419; AASHTO T 176

Product Code

JT-CMR/İ American import
JT-CMR jeotest brand

Mud density provides a simple way to assess.
Metal-grade body.
Carrying case.
Weight: 5 kg.

Marsh Funnel Viscosity Kit

Standards

ISO 2431

Product Code

JG-426 Marsh Funnel Viscosity Kit

Liquid materials are used in the viscosity determination.
Mouth Opening: 4.75mm.
Sieve Mesh Size: 2 mm.
Weight: 1 kg.

Hydrometer Test Set

Standards

ASTM D422; AASHTO T88

Product Code

JZ- 031 Hydrometer Test Set

This equipment is used to determine the quantitative distribution of very fine particle size in soils such as clay and silt.
Dimensions: 300 x 630 x 530 mm.
Weight: 19 kg.

Set includes:

1 piece of Transparent Water Bath.
1 piece of 151 H Hydrometer.
1 piece of 152 H Hydrometer.
1 piece of 0 – 500C Glass Thermometer.
1 piece of 250 ml Beaker.
1 piece of Glass Baget.
1 piece of High Power Stirrer.
6 pieces of 1000 ml Capacity Hydrometer Measures.

CBR Test Machine

Standards

AASHTO T193; ASTM D1883; BS 1377:4
EN 13286-47 ; NF P94-078 ; UNI CNR 10009

Product Code

JZ- 016 CBR Test Machine | LCD
JZ- 016 CBR Test Machine |Load cell digital readout

50 kN capacity.
1,27 mm/min loading frame.
50 kN capacity electronic load cell, 10 mm capacity 0,01 mm
precision electronic deformation transducer, built with LCD monitor or Digital display.
comes with test software.
220 V 50 Hz.
Dimensions:470x610x950 mm.
Weight:88.5 Kg.
Power:1100 W

Cbr Loading Machine Hand Operation 50 Kn Capacity

Standards

BS 1377:9; ASTM D4429

Product Code

JZ- 016/AR Cbr Loadıng Machine Hand Operation 50 Kn Capacity

Load is applied through a meckanical jack and handwheel.
Upper beam can be adjusted in height.
The machine is supplied complete with:
Load Ring 50 kN capacity.
Penetration piston.
Dial gauge with dial gauge holder.
Dimensions: 430 x 380 x 1180 mm.
Weight: 80 KgA

Cbr Mould And Accesories

Standards

ASTM D1883; AASHTO T193

Product Code

JZ- 016/1 CBR mould.
JZ- 016/2 Deployment plate.
JZ- 016/3 Deployment gauge 25 mm course and 0.01 mm accuracy.
JZ- 016/4 Deployment tripod.
JZ- 016/5 CBR space disc.
JZ- 016/6 Perfored weight.
JZ- 016/7 Slotted weight.
JZ- 016/8 Filter paper.
JZ- 016/9 Deployment tank.

Mould:ID 152.4 mm.
hight: 177.8 mm.
Mould collar:50.8 mm hight
Base plate:perfored.
Structure:Steel made.
Weight:9 kg.

Universal Extruder

Standards

ASTM D1587; ASTM D1883; ASTM D698
BS 1377:4; BS 1924:2; BS 598:107

Product Code

JZ- 015 Universal Extruder

The extruder has been designed for laboratory and field use to extract samples from various moulds. The extruder head is for standard use with U4 sample tubes (internal 4" BSP thread). It can also be used to remove 4" or 6" Compaction Moulds, CBR and Marshall Moulds with adaptor set which should be ordered separately.
The extruder is 40kN capacity and easy to use.
Dimensions: 650x500x900 mm
Weight: 87 Kg.

Consolidation Test Set

Standards

ASTM D2435; ASTM D3877; ASTM D4546
BS 1377:5; AASHTO T216

Product Code

JZ- 026 Consolidation Test Set

The one-dimensional consolidation test gives useful information about the consolidation of a sample which is restrained laterally. The test can be performed with the aim of determining either the relationship between imposed force and resultant strain or between strain and time of application of a constant force. The sample, of cylindrical shape, is contained within an in deformable ring and placed between two porous discs; a series of calibrated weights, applied to a lever system, transmit a load to the load plunger which slides freely within the ring, thus consolidating the sample.
A measurement instrument indicates the axial strain of the sample.
Rigidly manufactured from aluminum alloy casting is to provide a high accuracy with any frame distortion under load. The loa bridge group is supported in high accuracy
self-aligning seat balls.
The beam provides three loading ratio: 9:1 10:1 11:1 and the beam assembly is fitted with an adjustable counterbalance weight.
Dimensions: 190 x 850 x 527mm.
Weight: 25 Kg.

Direct Digital Shear Apparatus

Standards

ASTM D3038; BS 1377; AASHTO T236; BS-1377-7

Product Code

JZ- 028 Direct Digital Shear Apparatus

This test is used to determine the shear strength of a soil sample subjected to orthogonal stress with respect to the failure plane.
The sample is enclosed within a robust metal box horizontally split into two halves and provided with a vertical plunger.
The shearing stress is created by imposing a movement of the lower half of the shear box, whilst applying a static load to the load plunger. In the more refined machines, called "controlled displacement equipment", the variables that may be measured during the test are as follows: vertical strain, horizontal strain, shearing stress whilst the vertical force and displacement speed are kept absolutely constant.
Digital direct shear box, floor mounted with carriage assembly and load hanger with 10:1 lever loading device.

Features

-Microprocessor controlled digital stepper motor.
-Control via the digital display with keyboard.
-Return datum facility.
-Fully steplessly variable speed over the range of 0.00001 to 9.99999mm/minute.
-RS232 port
-Forward/reverse travel limit switches.
-Will accept either analogue or digital measuring devices.

Features

Load Ring 3 kN capacity.
Shear box set 60 mm^2.
Shear box set 100 mm^2.
Extrusion tool.
Dial Gauge 0,002 mm precision for vertical.
Dial Gauge 0,01 mm precision for horizontal.
Weight Set 50 kg.
Weight hanger.
Device Weight: 90 kg.

Dinamik Penetrometre

Standards

DIN 4094; BS 1377:9

Product Code

JZ- 001 Dynamic Penetrometer

Used to establish the thickness of different strata, when testing compaction works and to determine the relative density of fills and naturally deposited non-cohesive soils. In general if the ground is not too compact, penetration tests can be carried of about 8 to 12 metres.

Plate Loading Test Set

Standards

ASTM D1194; BS 1377

Product Code

JZ- 018 Plate Loading Test

This test is performed for the determination of the bearing capacity of a soil in-situ on road constructions, foundations, road subgrades, airport and highway pavements.
100 kN, 300 kN capacities are available
Including:

1 piece of fixing bar.
1 piece of 100 kN or 300 kN capacity lifting jack.
1 piece of hand pump
1 piece of pressure gauge (max. 280 bar).
3 pieces of 50 mm x0.01 mm deformation dial gauges and holders.
4 pieces of 150, 253, 305, 455 mm diameter plates.
Dimensions : 460 x 1240 x 400 mm.
Weight : 95 kg

Relative Density

Standards

ASTM D 4253, 4254; EN 13286-5

Product Code

Relative density

The equipment consists of:
vibrating table 765x765 mm, actuated by a vibrator of 3600 rpm. with adjustable amplitude.
Relative density mould sets 0,1 and 0,5 cu.ft., cylindrical shape, complete with two guide sleeve with clamp assembly, two surcharge base with handle, two surcharge weights.
Dial gauge with measuring device.
Power supply: 220-240 V 1ph 50 Hz
Weight: 300 Kg approx.

Swell Test Equipment

Standards

EN 13286-47; ASTM D1183; AASHTO T193; BS 1377:4, 1924:2

Product Code

JZ- 016/2 Swell Plate.
JZ- 016/3 Dial Gauge 20mm x 0,01 mm.
JZ- 016/4 Tripod.

Placed on top of the soil sample to enable monitoring of swelling.
The swell test consists of perforated plate with adjustable stem (swell plate), dial gauge tripod and dial gauge.

Triaxial Stress Measurement Test (uu-cu-cd Tests)

Standards

BS-1377; ASTM D-2850

Product Code

JZ- 034 TRIAXIAL STRESS MEASUREMENT TEST (UU-CU-CD TESTS)

The Frame capacity is 50 kN

Adjustable loading speed between 0.00001- 9.99999 mm/min.
Distance between columns : 360 mm
Base diameter : 158 mm
Two Analog Input Channels.
Microprocessor controlled drive system with LCD and Membrane keyboard.

The keyboard comprises adjustment buttons such as:
start, increase, automatic, manual, down, up.
test automatically stops
Load Cell 600 kg.
Strain Sensor, 25mm / (0.01mm).
Pressure Transducer, 25 bar / 0-10V
Oil and Water Constant Pressure System (1700 kPa).
Volume Change Unit.
Triaxial Cell (Ø50mm) with suitable output for CU-CD System.
Distribution Panel with manometer and suitable output for CU-CD System.
Water Tank 10 lt.
Sample preparation mold and rammer.
Membrane Placing Tool.
O Ring Placing Tool.
220V AC, 50 Hz
Device comes with software .

Pinhole Tester

Standards

ASTM D4647

Product Code

JZ-1289

Utilized to evaluate the erosion on soil samples having high degree of sodium content, the Pinhole apparatus reproduces the water flowing in a cavity obtained from a soil specimen.The apparatus consists of a cylindrical container equipped at its ends of water inlet/outlet connectors, tube with graduated scale, base support with rod.

Weight: 4 kg approx.
Certain fine-grained soils with high sodium content are highly erodible by the water flowing through them. During the test the flow of water under a high hydraulic gradient through a cavity in the soil is reproduced. The test apparatus consists of a cylindrical metal container fit one end with water inlet and the other end with an outlet connection, of a standpipe tube with scale and a stand to support the pinhole apparatus

Soil Sieve Set

Standards

EN 933-2; ISO 565
ISO 3310-1/2;ASTM E11

Product Code

JG-069 Soil Sieve Set

Hoop dia 200 mm
75-50-37,5-25-19-9,5-4,75-2-0,850-0,425-0,250-0,106-0,75 mm
with 13 piece analiysis sieve, lid and receiver

06 AGGREGATE

Universal Sample Splitter

Standards

EN 932/1;BS 1377;ASTM C702
ASTM C136;D271-D421

Product Code

JA-016 Universal Sample Splitter

Designed for the reduction of test samples which are too large in volume to be conveniently handled. It handles any material from sand sizes up to dia. 108 mm. Each chute bar is 12 mm wide so that openings of 12-24-36-48-60-72-84-96-108 mm are possible. Complete with two collecting pans. Clam shell hopper: 30 litres capacity

Hight Capacity Sieve Shaker

Standards

TS 1900; EN 932-5; ASTM C127,C136

Product Code

JG-037 HIGHT CAPACITY SIEVE SHAKER

Designed for sieving considerable quantities of any material.
The screen shaker accepts up to 30 litres (60 ÷ 70 Kg) of sample. Sturdy made, the machine can hold six screen trays and dust pan. Supplied complete with dust pan, but "without" screen trays to be ordered separately.Provided of timer 0-60 minutes.

Power supply: 220-240 V 50 Hz 1ph 750 W.
Dimension : 585 x 790 x 850 mm
Weight : 180 Kg.

Riffle Box

Standards

ASTM C72 ; EN 933-3

Product Code

JA-015 RIFFLE BOX

Used for dividing aggregates into representative sample increment for testing. Electrostatic painted and manufactured in the slot widths and number of slots as required in the standards. Riffle boxes are supplied complete with 2 containers with handles.

Model	Capacity(lt)	Weight (kg)
JA -015/01	7	2.2
JA -015/02	3	6.2
JA -015/03	15	8
JA -015/04	19	9.5
JA -015/05	25	12.5
JA -015/06	30	19.9
JA -015/07	38	21.0
JA -015/08	45	24.8
JA -015/09	50	26.8
JA -015/010	64	32.1
JA -015/11	75	35.3

Length Gauge

Standards

CNR No. 95; DIN 4226; EN 933-4; NLT 354

Product Code

JA-035 Length Gauge

Aggregate particles are considered elongated when their length is more than 1.8 of their nominal size.

Weight: 0.8 kg

Flakiness Gauge

Standards

BS 812-105.1

Product Code

JA-034 Flakiness Gauge

Used to determine if aggregate particles are to be considered flaky, i.e. their thickness is less than 0.6 of their nominal size.

Weight:0.4 kg

Shape Index Gauge

Standards

CNR No. 95; DIN 4226; EN 933-4; NLT 354

Product Code

JA-036 Shape Index Gauge

Used to determine the shape factor of aggregates.

Weight: 0,4 kg

Grid Sieves

Standards

EN 933-1; NF P18-561; NLT 354; UNI 8520

Product Code

JA-014 Grid Sieves

Used to determine the flakiness index of the aggregates. Consists of electrostatic painted frame and 5 mm diameter stainless steel bars.

Model	Aperture(mm)	Dimensions(mm)	Weight(kg)
JA -014/ 01	2.5	380x320x80	3.3
JA -014/ 02	3.15	380x320x80	3.3
JA -014/ 03	4	380x320x80	3.8
JA -014/ 04	5	380x320x80	3.8
JA -014/ 05	6.3	380x320x80	3.7
JA -014/ 06	8	380x320x80	3.6
JA -014/ 07	10	380x320x80	3.4

Model	Aperture(mm)	Dimensions(mm)	Weight(kg)
JA -014/ 08	12.5	380x320x80	3.2
JA -014/ 09	16	380x320x80	4
JA -014/ 10	20	380x320x80	3.2
JA -014/ 11	25	380x320x80	3.2
JA -014/ 12	31.5	380x320x80	2.9
JA -014/ 13	40	380x320x80	2.7

AG Flakiness Sieves

Standards

BS 812

Product Code

JA-016 Universal Sample Splitter

Used to determine particle size shape or geometrical characteristics of the aggregates. Each sieve made from heavy gauge steel sheets in dimensions specified in the standards and coated with electrostatic paint.

Model	Slot Size	Dimensions(mm)	Weight(kg)
JA -01 3/01	4.9	320x195x30	1.6
JA -013 /02	7.2	340x215x40	1.7
JA -013 /03	10.2	360x235x50	1.8
JA -013 /04	14.4	380x255x60	2.0
JA -013 /05	19.7	400x275x70	2.1
JA -013 /06	26.3	420x295x80	2.6
JA -013 /07	33.9	470x330x100	3.1

Sand Equivalent Test Set

Standards

AASHTO T176; ASTM D2419; CNR No. 27
EN 933-8; UNE 83131; UNI 8520–15

Product Code

JA-002 Sand Equivalent Test Set EN Model
JA-003 Sand Equivalent Test Set ASTM Model

Sand Equivalent Test Set is used to determine the fines of aggregates.
The Sand Equivalent Test Set comprises 4 measuring cylinders, irrigator tube, weighted foot assembly, siphon assembly, rubber stopper, funnel, rubber hose, pinch clip, 5 lt capacity sand jar and a carrying case.
Set conforming to ASTM is same as EN Set except for Measuring Cylinders which are totally graduated.

220V, 50–60 Hz, 1 ph
Weight: 4.6 kg

Sand Equivalent Shaker

Standards

AASHTO T176; ASTM D2419; CNR No. 27
EN 933-8; UNE 83131; UNI 8520–15

Product Code

JA-006 Sand Equivalent Shaker
JA-007 Sand Equivalent Shaker with Safety Cabinet

The shaker is used for uniform shaking of Sand Equivalent Measuring Cylinders.
Shaker provides shaking action at the specified rate and stroke. Supplied complete with built in timer.

220V, 50–60 Hz, 1ph.

Model	JA-006	JA-007
StrokeTravel	200mm ± 1mm (EN)	203.2mm ± 1.02mm (ASTM)
Rate	180mm ± 2/dak. (EN)	175mm ± 2/dak. (ASTM)
Dimensions (mm)	220x600x320	240x800x340
Weight (kg)	24.7	27.5

Methylene Blue Test Set

Standards

EN 933-9 ; NF P 94-068 ; UNE 83 180 ; UNI 8520–15

Product Code

JA-025 Methylene Blue Test Set.
JA-025/1 High Speed Stirrer.
JA-025/2 Kaolinite (500 gr)
JA-025/3 Methylene blue (100 gr)
JA-025/4 Filter Paper (pack of 100)
JA-025/5 Burette 50 ml.
JA-025/6 Plastic Beaker 1000 ml.
JA-025/7 Glass Rod.

Methylene Blue Test Set is used for determining clay content in the fines fraction of the aggregates.

Set consists of:
-400/600 r.p.m.
-High Speed Motor and stirring propeller.
-1000ml capacity glass beaker.
-100gr methylene blue.
-500gr kaolinite.
-Filter Papers (pack of 100).
-Glass rod.
-50ml glass burette.
-Burette holder and burette stand.
-220 V, 50-60 Hz, 1 ph.

Los Angeles Abrasion Machine

Standards

ASTM C131; ASTM C535; CNR No. 34; EN 1097-2
NF P18-573 ; UNE 83114 ; UNI 8520-19

Product Code

JA-029 Los Angeles Abrasion Machine
JA-029/1 Los Angeles Abrasion Machine with safety cabinet
JA-029/2 Set of 11 abrasive charges conforming to EN
JA-029/3 Set of 12 abrasive charges conforming to ASTM UNI CNR

Los Angeles Abrasion Machine is used for determination of aggregates resistance to fragmentation. The machine consists of an electronic control unit and a rolled steel drum having an inside diameter of 711 mm and internal length 508 mm. The drum is rotated at a speed of between 31 and 33 r.p.m. The internal shelf is provided with the machine is conforming to ASTM and EN standards. The machine is equipped with automatic counter, which allows stopping when the preset number of revolutions is completed.
There is a steel tray supplied with machine for easy discharge of specimen.

Power :220 V, 50–60 Hz, 1 ph
Dimensions:100x900x1000 mm.
Weight :400 Kg.

Micro Deval Testing Machine

Standards

CNR No. 109; EN 1097-1; NF P18-572
NF P18-576 ; UNE 83115

Product Code

JA-033 Micro Deval Testing Machine

Micro Deval Testing Machine used to determine the resistance to wear of 25-50mm size aggregates.
The machine consists of a steel frame, four stainless steel cylinders, and 25kg of 10 mm diameter stainless steel spheres and automatic digital counter which allows machine to stop automatically at the preset number of revolutions.
Stainless steel Ø200*154 drums are rotating at speed of 100 (±5) r.p.m.
Power:220V, 50/60Hz, 1ph.
Dimensions:640x1200x350
Weight:150 Kg.

Nordic Abrasion Machine

Standards

EN 1097-9

Product Code

JA-027 Nordic Abrasion Machine
Machine has been developed for testing the resistance to abrasion/wear from studded tires.
Test is being performed on natural stones and aggregates between 11,2 mm and 16 mm.
Test consists of rotating aggregates in drum with steel abrasive balls and water.
The machine consists of an electronic control unit and a rolled stainless steel drum having an inside diameter of 206,5mm, internal length 335mm and thickness of 6mm. The drum is rotated at a speed of 90±3 r.p.m. 3 wings are installed inside of the drum to allow balls and aggregates to be mixed properly.
The abrasion loss rate of aggregates is calculated after specified number of revolutions stated in the related standard.
Power : 220V, 50–60 Hz, 1 ph
Weight: 95 kg.

Slake Durability Tester

Standards

ASTM D4644

Product Code

JA-033/21 Slake Durability Tester
This equipment has been developed to assess the durability of rock to weakening and disintegration when subjected to the simulated effects of climatic slaking. The rock samples are dried and then submitted to wear stress inside a drum which is rotated into water. The test is performed different times and the wear is given by the loss in weight of the sample. The system incorporates a motor drive unit mounted on a baseplate which revolves two (or up to four) stainless steel drums manufactured from 2 mm mesh, 140 mm dia. x 100 mm long. The tanks are filled with water to a level 20 mm below the drum axis. A digital timer automatically stops the motor after the preset time.
The equipment is supplied complete with two drums with tanks, and it can accept two additional drums.
Power supply: 230V 1ph 50Hz 250W
Dimensions : 350x740x300 mm approx.
Weight : 30 kg approx

Accelerated Polishing Machine

Standards

EN 1097-8; EN 1341; EN 1342; EN 1343

Product Code

JA-048 Accelerated Polishing Machine

Used to measure the resistance of road stone to the polishing action of vehicle tires on a road surface.
The machine consists of road wheel rotating in the speed of between 315 and 325 r.p.m. The electric motor of the machine is 370W and fan-cooled.Machine supplied complete with road wheel, side plate, rubber rings, abrasive feed mechanism, corn emery, flour emery, set of 4 specimen mould and 2 mould plates.
230 V, 50 Hz, 1 ph
Dimensions: 740x720x1520 mm.
Weight : 175 Kg.

Aggregate Impact Value

Standards

BS 812:112

Product Code

JA-032 Aggregate Impact Value
Used to determine the impact value of aggregates and select them for a given application. The machine has a trip-action hammer release, blow counter device and a built-in operator safety device.
Manufactured in heavy duty form with hardened steel surfaces for minimum wear. The complete assembly is cadmium plated for corrosion protection.
Electrostatic dyed to against corrosion. Consist of counter, mould and tamping rod.
Dimensions: 304 x 470 x 830 mm
Weight : 52 kg

Abrasion Machine

Standards

EN 1097-8 / BS 812:3

Product Code

JA-047 Abrasion Machine

The test gives a measure of the resistance of aggregates to surface wear by abrasion.
Inadequate abrasion of road-surfacing aggregates means an early loss of the texture depth required to maintain highspeed skidding resistance.
The machine consists of a heavy duty mainframe on adjustable antivibration pads, steel lap wheel 610 mm diameter, precision machined steel shaft and sealed bearings, resilient mounted electric motor, gear box, scraper blades for sand removal, revolution counter.
Supplied complete with two specimen moulds, two flat plates, two trays.
Power supply: 230 V 1ph 50 Hz
Weight : 200 Kg.

Alcali - Slica Reaction Test Instrument

Standards

CANADA CSA-A23.2-25A;ASTM C227, C490, C1260

Product Code

JA-1856 Alcalı - Slica Reaction Test Instrument

Temperture is saved continuously and displayed as a graphic.
ASR Sample Pot made out of 2 mm thick stainless steel and internal size is 280 x 130 x 400 (length – with– hight) cm.
Optional ASR steam emerging system at 40C or lower air/water temperatures can produce almost up to a %100 moisture. High pressure pump and stainlesss steel spray nozzle is provided with the instrument (1.2 lt. /h capacity).

Alkali – Silica Reaction emerges through alkali in the cement, active silica and moisture in the aggregate. Active silica, alkali and moisture reacts together and than they emerge into a jell form which is a compound of alkali and silica. These compound swell in the concrete and starts cracking the concrete. Alkali – silica reaction is a long continuous process and there is no remedy when once the cracks in cement starts. The remedies must be undertaken at the design stage of the concrete.
ASR Test Cabin contains the samples in an environment of %100 relative moisture between 20° C - 70° C with the accuracy of 0.5K .

Specifications

Aplication	Holding the ASR sample pots at 60oC and approx. %100 relative humidity According to RILEM/TC ARP/01/20 ve ASTM C 1293 standards.
Size	1500 x 1100 x 950 mm (length –with – hight)
Water level	190 mm
Shelf for test pot	2 pcs
Internal cabin	Stainless steel
Lid	Torque compensation hinge 750 x 120
Sensor	RTD PT100 1/10 DIN B
Heating	2 x 6 kW 3*230 V (or 400 V) excesive temperature protection
Controler - heater	2 constant level relay 3 phase
Controler	Wall mountable cabin
User interface	Color, tactile screen and online graphic
Interface	Ethernet TCP/IP control and data collection
Weight	500 kg
Electrical connection	3 * 32 A 230 / 400 V, CEE socket

Freezing and Thawing Climatic Chamber

Standards

TS 3449

Product Code

JG-063 Freezing and Thawing Climatic Chamber

Used in determining resistance to freezing and thawing.
Provides freezing / thawing in air and also freezing in air / thawing in water.
The chamber equipped with programmer for 9 programs in 9 steps for each program.
Time can be arranged to 360 hours or 360 minutes for each step of program.
Temperature range for cabinet is -25°C to +60°C.
The control unit is electronic and equipped with digital display with 0,1°C temperature accuracy.
The temperature distribution accuracy in the cabinet is not higher than 2°C.
Cabinet provides heating from -25°C to +25°C in 60 minutes.
230 V, 50 Hz, 1 ph.

Abrasion Testing Machine

Standards

EN 1341; EN 1342; EN 1343

Product Code

JA-028 Abrasion Testing Machine
JA-028/1 Abrasive Sand

Abrasion Testing Machine is designed for determining the resistance to abrasion / wear of natural stones and concrete products. The abrasion wheel is 70 mm thick and rotates with speed of between 75 r.p.m. the machine is equipped with digital counter which stops machine at the preset number of revolutions. Supplied complete with abrasion sand.
220 V, 50-60 Hz, 1 ph
Weight:85 kg

Bohme Abrasion Machine

Standards

TS 2824; EN 1338; EN 1339; DIN 52108

Product Code

JA-0281 Bohme Abrasion Machine

This apparatus measures the volume loss in a specimen under abrasion test.
It can make the abrasion test with the specimen which is written below:
paving stones – concrete slabs- rock slabs
Cast iron horizontal disc with a speed of 30 rpm and a diameter of 750mm furnished of a 200mm test track to position a specimen.
Separate control panel with digital revolutions counter with automatic stop after preset revolutions.
Power Supply : 220 V 50 Hz
Weight : 250 kg

Skid Resistance and Friction Tester

Standards

ASTM E103; BS 812:144; CNR No. 105 ; CNR No. 140
EN 1097-8 ; NF P18-575 ; NF P18-578 ; NLT 174

Product Code

JA-046 Skid Resistance and Friction Tester

Used for the measurement of surface friction properties, the apparatus is suitable for both site and laboratory applications and for Polished Stone Value tests using curved specimens from accelerated polishing tests. Slider lifting system integrated in the pendulum foot, which guarantees reliable adjustment operations.
Skid Tester provides following features:
- Easy and reliable height adjusting system
- New low friction release mechanism of the pendulum arm for better accuracy.

Supplied complete with additional scale for tests on Polished Stone Value specimens and 6 rubber sliders for site use, complete with conformity certificate.
Dimensions : 790x760x320 mm
Weight : 34 Kg.

Sand Absorption Cone and Tamper

Standards

BS 812; ASTM C128; AASHTO T84

Product Code

JA-026 Sand Absorption Cone and Tamper

Used to determine the specific gravity and water absorption of fine aggregates.
Chrome-plated brass cone (dia. 40 and 90 mm); 25 mm dia. tamping rod.
Weight : 500 gr.

Aggregate Crushing Value

Standards

BS 812:112

Product Code

JA-030/75 Aggregate Crushing Value
JA-031/150 Aggregate Crushing Value

The aggregate crushing value provides a relative measure of the resistance of an aggregate to crushing under a gradually applied compressive load.
Consist of piston, piston cover, base plate, tamping rod, measure.
Produced two sizes: 150 mm and 75 mm diameter

Moisture Meter

Standards

ASTM D4944; BS 6576; AASHTO T217

Product Code

JT-MCR Moisture Meter

This electronic tester measures and visualizes directly on the display the moisture percentage and temperature of sand and fine aggregates up to max. dia. of 10 mm by simply inserting the crucible tip. Suitable for both site and laboratory tests.

Moisture Range 0-20%
Accuricy : 0.5%
Measuring Deep : 1000 mm
Weight : 2 Kg

Jaw Crusher

Standards

UNE 83120

Product Code

JA-053 Jaw Crusher

This Jaw Crusher is used for the rapid, gentle crushing and pre-crushing of medium-hard, hard, brittle and tough materials. Its variety of materials offered including heavy-metal free steel, its efficiency and safety

Application Examples

Alloys, basalt, cement clinker, ceramics, chamotte, coal, coke, construction materials, feldspar, glass granite, minerals, ores, oxide ceramics, quartz, rocks, silicon, slag.

Product Advantages

-Excellent crushing performance.
-Wide range of materials for contamination free grinding.
-Wear compensation with zero-point adjustment.
-Gap width setting.
-Overload protection.
-No-rebound feed hopper with quick-release clamp.
-Brake motor with safety switch.
-Easy-to-clean crushing chamber.
-Continuous grinding.
-Connector for dust extraction

Features

Material feed size*	< 50 mm
Final fineness*	< 4 mm
Material of grinding tools	manganese steel, stainless steel, tungsten carbide, steel 1.1750
	(for heavy -metal free grinding)
Jaw width	60 x 60 mm
Gap width setting	0 - 20 mm
Gap width display	scale
Zero point adjustment	yes
Hinged hopper	yes
Dust extraction unit	yes
Collector capacity	2 l
Drive	1 -phase motor / 3 -phase motor
Drive power	0.75 kW
Electrical supply data	different voltages
Power connection	1 -phase / 3 -phase
W x H x D closed	320 x 960 x 800 mm
Net weight	~ 137 kg
Remark weight (without hopper etc.)	0.75 kW

Colour Standard

Standards

ASTM C40; AASHTO T21

Product Code

JA-039 Colour Standard

Colour standard with 5 organic glass scales mounted in plastic holder.

L Type Rock Test Hammer

Standards

EN 12504, 2; ASTM C805; UNI 9189
DIN 1048; BS 1881:202 - NF P18-417

Product Code

JB-062 L Type Rock Test Hammer

-L type.
-Nominal power: 0.735J Strike length of flip hammer: 75±0.3mm.
-Friction of pointer slider: 0.5±0.1N Work length of flip tensioned spring: 61.5.0±0.3mm.
-Fixed value of steel anvil: 74±2.
-Location of flip hammer's hook release: "100" at the scale mark Sphere semi-diameter at the end of the flip rod: 25±1mm.
-Aluminium frame.
-Carrying Case.
-Carborundum stone for abrasive.
-Spare Test Spring.
-Phillips screwdriver.
-Flat screwdriver.
-Dimensions: 330 x 170 x 85 mm.
-Net Weight: 1.4 kg.

Digital Point Load Tester

Standards

ASTM C40; AASHTO T21

Used to determine the strength values of a rock specimen both in the field and in the laboratory.
It consists of a load frame for applying loads up to 55 KN, on which a manual hydraulic jack is mounted.
The instrument accepts core specimens up to 4"(101,6 mm) diameter
The applied load is measured by load cell with a digital display unit.
Weight: 25 Kg

Aggregate Sieve Set

Standards

EN 933-2; ISO 565
ISO 3310-1/2;ASTM E11

Product Code

JG-069/01 Aggregate Sieve Set

Hoop dia 200 mm
75-50-37,5-25-19-9,5-4,75-2-0,850-0,425-0,250-0,106-0,75 mm
with 13 piece analiysis sieve, lid and receiver

07 STEEL

Fully Automatic Steel Tensile Testing Machine

Standards

ASTM 370 ; EN 10002-1

Product Code

JÜ- 001 Steel Tensile Testing Machine 600 kn.
JÜ- 002 Steel Tensile Testing Machine 1000 kn.

Fully automatic, 600 kn or 1000 Kn capacity Steel Tensile Machine. Fully automatic, PC controlled hydraulic grip steel tensile machine operates with the newest and innovative PC controlled technology. This new technology provides the user a perfect hydraulic control and saves run time. Machine can be controlled either by a PC with standard keyboard and a mouse or by internal electronic module.Vertical position set of the bottom hydraulic grip and the movement of the grips are being controlled manually by a single push button. user can easly oparete this machine.Extention and deplacement measures are being made through 10 mikro LVDT which is placed between the middle and the upper table

Hydraulic Grips

-Hydraulic gripping system controlled by remote control.
-Grips can turn 360° and hold around reinforced steel bars.
-Two sets of grippers for test 8 mm - 32 mm dia round re-bars.
-Distance between grips adjustable from 60 to 400 mm.

Option: Flat surface grips can also be used upon the request of the client as an option.

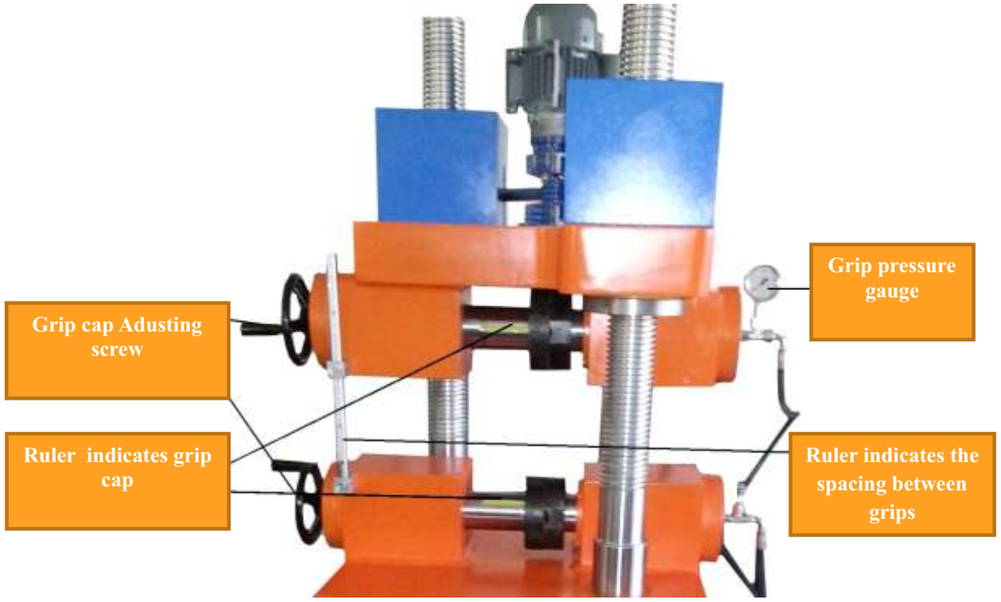
Hydraulic console and control unit

Hydraulic console and control unit contains :
-Hydraulic pump.
-Relief pressure valve and Proportional valve.
-Hydraulic valves.
-Oil filters.
-Oil tank.

Entire control console is given with tensile device which is part of the machine.
The upper side is seperated for electronical modules and the bottom side is for hydraulic units.
The design of the control unit has a user friendly shape so the user can use the complete machine while sitting. User can use the machine just by using the control panel. Machine can be used as manual or automatic without a computer and you can see the graphical values on the screen of the control unit.

Hydraulic console and control unit

Measuring Depth : 180 mm.
Reinforcement Diameter: 6 mm - 50 mm.
Supplied with Calibration Certificate.
Dimensions : 210 mm x 153 mm x 90 mm h.
Weight : 1350 g.

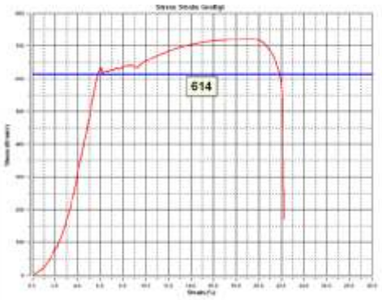


Safety

-User safety is our prime and ultimate principle for all our products.
-All tensile machines are equipped with standard Pressure Relief Valve. Once the oil pressure reaches a maximum value than the machine stops automatically.
-Machine stops automatically by the limit switch located on the cylinder when it reachs the maximum limit.
-Hydraulic control unit contains Pressure Relief Valve and it is calibrated to %10 less than the maximum capacity of the machine.

Software

-Test control parameter can be entered.
-Test data can be entered.
-Company and laboratory data can be entered.
-During the tests a load, stress - strain graph will be plotted dynamically.



Cold Bend Testing Machine

Standards

ASTM A615-89

Product Code

JG-013 Cold bend testing machine

Used for bending and straightening steel reinforcing bars.

Hydraulic motor.
20 Ton capacity.
Manometer display.
Adjustable speed.
Headers can be changed.
Iron bending test up to 30 mm diameter.
220 V 50 Hz.

Welded WireMesh For Reinforcement Concrete Pulling Machine Instrument

Standards

ASTM A615-89

Product Code

JG-010 Welded WireMesh For Reinforcement Concrete Pulling

Digital display/ computer, graphic program Color printer
It can use either in manual or automatic mode.
Suitable jaws set for flat steel and round material test Mechanic
Jaws and plates are fixed each other.

Fully automatic computerized machine.
Load cell: is suitable for ASTM E4 class 1 at %1 sensitivity
Potentiometer ruler with 10 micron sensitivity.
6 digit 20 mm Led Display Load cell indicator.

Digital Servo Control Unit:
Test parameters can be entered (Loading rate, Load, Elongation limits etc..)
Information about test can be enter.
Experiment results are given with Metric and SI unit systems.
Large permanent memory for saving test results.
6 digit 20 mm Led Display Load cell indicator with keybad.
Automatic or manual referencing system can be selected.

Digital provide calculation:

Load - expanding graph.
Max load,max extension,breaking load,elongation at break
Breaking out extending, Young modulus, Yield point calculation.
Gives experiment report contain all test results and graphs.

Hydraulic Unit:

-60 ton capacity
-Imported Solenoid valve
-Imported hydraulic pump
-Piston
-Mechanic interval parts, Hydraulic hose
-Oil tank
-380V 50 Hz

Anchorage Pull Test Agrega

Product Code

JT.1154 ANCHORAGE PULL TEST

Piston
Capacitie 30 ton
Internal diameter: 30 mm
External diameter: 140mm
Strok 100 mm
Weight: 16,6 kg
One year warranty against Manufacturing Defects.

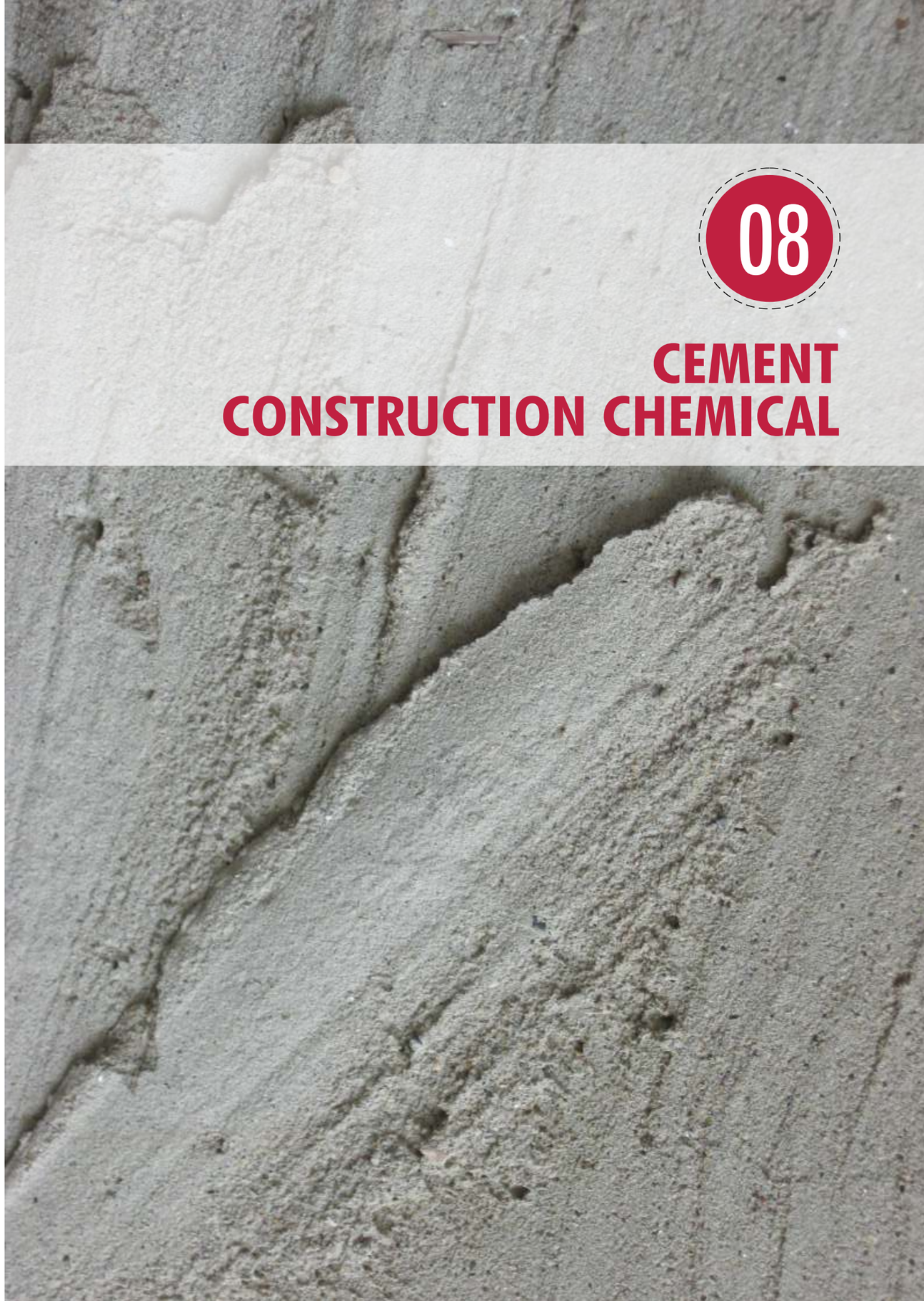
Hand pump
Working pressure: 700 bar
Single acting
Weight: 9,5 kg
CE quality certified

Hydraulic hose
2 meter hydraulic hose
Working pressure: 445 bar
Burst pressure: 1800 bar
Connection Thread: 3/8" NPT

Special Jaw Set

Product Code

JT.1153/ÇT Special Jaw Set
Special Jaw Set (8-10-12-14-16-18-20-22-24-26-28-30-32)



08

CEMENT CONSTRUCTION CHEMICAL

Compression And Flexural Testing Machine

Standards

EN 196-1; ASTM C109; BS 3892; DIN 1164

Product Code

JÇ- 027 COMPRESSION AND FLEXURAL TESTING MACHINE

It performs a fully automatic test procedure, including speed rate and software for Certificate printing.
Upper and lower compression platens dia. 165 mm.
The vertical daylight
The vertical daylight between platens is 189 mm
Dual loading chamber: 0 - 250 kN (for compression tests) 0 - 15 kN (for flexure tests)
The low capacity piston (15kN) per s very accurate tests on specimens having low strength (both in compression and in flexure).
Max piston's stroke: 35 mm approx. Safety guards to CE Directive, polycarbonate made with hinges.
Two columns rigid frame fitted on a steel base.
Calibration and Accuracy: Grade 1.0 The machine is supplied complete with lower compression platen and coupling piece to easily fix the compression / flexural devices.
Power supply: 220-240V 1ph 50z 750 W.
Dimensions : 395 x 385x 1450 mm
Weight : 310 kg.

Compression and Flexural Accessories

Standards

EN 196-1; BS 3892-1; ASTM C109; EN ISO 697

Product Code

JÇ- 028 Compression Jig
JÇ- 030 Flexural Jig

It is used to test pressure strength of 40 x 40 x 40 mm, 50 x 50 x 50 mm cubic samples and 3 point bending strength of 40 x 40 x 160 mm beam samples.

Cement Moulds

Standards

ASTM C109; BS 4550; EN 196-1

Product Code

JÇ- 004 40x40x160mm Three Gang Mould
JÇ- 005 70.7x70.7x70.7 mm Cube Mould
JÇ- 006 50x50x50 mm Three Gang Cube Mould

All the moulds have been manufactured from steel and all internal surfaces are machined.
All dimensions and specifications comply with the related standards.

Model	JÇ-004	JÇ-005	JÇ-006
Weight (kg)	11.6	3.6	3.4

Jolting Table

Standards

EN 196-1; ISO 679

Product Code

Jc- 007 Jolting Table
JÇ- 007/1 40x40x160 mm Feed Hopper

Jolting table is used for mould compacting of 40x40x160 mm cement specimens and consists of mould table seated on a rotating cam driven at 60 revolutions per minute. The table drop is 15.0 mm.
The machine is equipped with counter which provides automatic shut off at end of preset drop numbers.
Weight and dimensions of the jolting table fully comply with the requirements of EN 196-1 standard. Rapid mould lock and release system allows easy and quick operation.
220 V, 50-60 Hz, 1 ph
Drop Height 15 mm
r.p.m. 60
Dimensions: 255x285x1000 mm.
Power: 250 W.
Weight: 55 Kg.

Vibrating Table For 70,7 Mm

Standards

BS 4550

Product Code

JÇ- 020 VIBRATING TABLE FOR 70,7 mm

The mould is mounted on a vibration platform with excentric mechanism. The machine is supplied complete with control panel with timer, but "without cube moulds" to be ordered separately.
Power supply: 220-240V 1ph 50 Hz 250 W.
Weight : 100 Kg.

Vicat Test Set

Standards

AASHTO T129 ; AASHTO T131 ; ASTM C187 ; EN 196-3

Product Code

JÇ- 012/1 Vicat Mould.
JÇ- 012/2 Initial Needle.
JÇ- 012/3 Final Needle.
JÇ- 012/4 Consistency Plunger.
JÇ- 012/5 Glass Plate.

Used for determination of setting time and consistency of cement by Vicat Method.
The test set comprises Vicat Frame, Vicat Mould, Initial and Final needles, glass plate and consistency plunger.
Dimensions:150x190x318 mm.
Weight : 3 Kg.

Automatic Tropicalized Vicat

Standards

EN 196-3:2005; EN 13279-2 (GYPSUM)
EN 480-2 /ASTM C187, ASTM C191

Product Code

JÇ- 012 AUTOMATIC TROPICALIZED VICAT

The Vicatronic apparatus, that is designed and manufactured using the most recent and sophisticated technology, is used for the initial and final setting time determination of cements or mortar pastes.Movements along X Y Z axes Up to 30 different test types may be programmed and over 1000 tests may be memorized. PC PortInitial and final setting time (in 0.1 mm) Automatic cleaning of the needle Automatic stop and storage of measurements up to 50 tests. Plunger for initial consistency Thermostatic baths (optional)
GLCD display for data input and diagram/test report.Printer for final test report and diagram
RS 232 serial port for PC connection Moulds and further needles have to be ordered separately, according to the various standards.
Power supply: 220 V, 50 Hz, single phase.
Weight : 40 kg.

Cement Flow Table EN Model

Standards

EN 1015-3; EN 459-2

Product Code

JÇ- 015 Cement Flow Table
JÇ- 016 Motorized Cement Flow Table
JÇ- 016/1 Flow Mould
JÇ- 016/2 Tamping Rod

Used for determining consistency of mortar, lime and cement specimens.
Manual and motorized two models are available.
The table is 300mm dia., 10mm drop height. The cone made of brass has dimensions of 100mm base dia. x 70mm top dia. x 60mm high. The motor operated model is driven by a motor speed reducer through a mechanical coupling at the rate of 1 rev. per second. The number of drops is pre-set on a counter and the machine stops automatically at the end of the cycle. The hand operated model is fitted with a hand wheel.
Both models are supplied complete with brass flow mould and tamper. The table is manufactured from stainless steel.
220 V, 50-60 Hz, 1 ph

Model	JÇ - 015 Manual	JÇ - 016 Motorized
Dimensions (mm)	Ø255x290	450x1030x330
Power (w)	12.7	50
Weight (kg)	10	18

Blaine Fineness Apparatus

Standards

EN 196-6

Product Code

JÇ- 019 Blaine Fineness Apparatus
JÇ- 019/1 Manometer liquid Bottle 250 mm
JÇ- 019/2 U Manometer Tube
JÇ- 019/3 Cell with perforated disc
JÇ- 019/4 Filter Paper (pack of 100)

Used to determine the particle size of Portland cement, limes and similar powders expressed in terms of their specific surface. It consists of a stainless steel cell, perforated disc and plunger.
A U-tube glass manometer is fitted to the steel stand. The set is complete with rubber aspirator and filter paper.
Dimensions: 170x220x470 mm
Weight : 8 Kg.

Automatic Blaine Air Permeability Apparatus

Standards

EN 196-6; ASTM C204; AASHTO T153

Product Code

JT-BL Automatic Blaine air permeability apparatus

An automatic, microprocessor-controlled analyzer for measurement of the specific surface (Blaine value) of powders. This device operates with 1 or 2 measuring cells.
After entry of test-specific sample data into the controller, the test is completely automatically carried out and evaluated. The device has an interface for a generally commercially available printer.
Scope of equipment delivered: automatic air permeability tester, 1 bottle of fill oil, 500 ea. round filters (diam. 41 mm), 100 ea. dust filters (diam. 13 mm), 1 ea. Tamper
Dimensions: 200 x 160 x 400 mm.
Weight : 12 Kg.

Pulınger Penetrometre

Standards

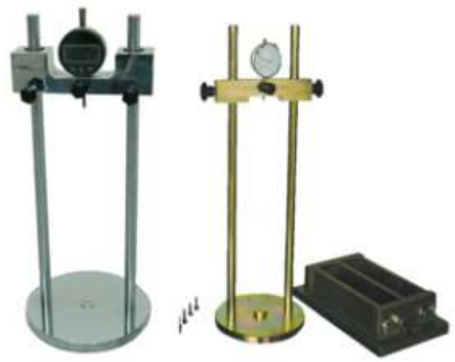
EN 413-2;EN 459-2;EN 1015

Product Code

JÇ- 034 Plunger penetration apparatus

Used to determine the consistency of fresh mortar, lime and masonry cement.
This apparatus consists in a base, a vertical support, a graduated rod with 25 mm dia. plunger, a test cup dia.
80 mm x 70 mm deep and a 40 mm dia. tamper.
Drop height 100 mm.
Dimensions: 260 x 250 x 450 mm.
Weight : 5 kg.

Cement Shrinkage Test Set



Standards

ASTM C151; ASTM C490; BS 1881:5
BS 6073 ; EN 12617-4 ; EN 1367-4

Product Code

JÇ- 014 Cement Shrinkage Test Set
JÇ- 014/1 Length Comparator
JÇ- 014/2 Digital Length Comparator (250 mm Gauge Length)
JÇ- 014/3 25x25x285 mm Two Gang Prism Mould
JÇ- 014/4 Steel Insert for 25x25x285 mm Two Gang Prism Mould
JÇ- 014/5 Reference Rod 160 mm EN 12617–4

Test set is used to determine the accelerated soundness (autoclave method) and length changes of 40x40x160 mm and other sizes of cement prisms. The set consists of length measuring frame, two or three gang steel mould according to therelated standard, steel inserts for moulds and reference rod. The set is available in two models one with 0,002mmx10mm analogue dial gauge, th e other one with 0.001mmx20 mm digital dial gauge.

Model	JÇ-014/1	JÇ-014/2
Weight (kg)	11.6	3.6

Le Chatelier Test Set

Standards

EN 1367,1; ASTM C671; BS 812,124

Product Code

JÇ- 010 Le Chatelier Test Set

The soundness of cements and limes is determined using the expansion test with Le Chatelier moulds according to the relevant standard. The mould consists of a spring tensioned split cylinder 30 mm internal diameter x 30 mm high with two indicator stems which measure 150 mm from the points to the centre line of the cylinder and O ring. Standard weight and glass plate are supplied complete with the mould.

Weight: 0. 3 kg.

Le Chatelier Water Bath

Standards

EN 196-3; EN ISO 9597

Product Code

JÇ- 011 Le Chatelier Water Bath

Time and expansion device outlet of the cement samples used in the determination. Bathroom inside the stainless steel, non-electrostatic powder paint, is a digital indicator. Rack with a capacity of patterns are available. Ambient temperature between 95 ° C with the runs.

220 V, 50-60 Hz, 1 ph
Weight: 20 kg.

Le Chatelier Flask

Standards

AASHTO T133; ASTM C188; EN 196-6

Product Code

JÇ- 001 Le Chatelier Flask

Used to determine the specific gravity of hydraulic cement and lime. Glass flask 250ml capacity, with graduated neck from 0 to 1 ml and from 18 to 24 ml in 0.1 ml graduation with accuracy of 0.05 ml.

Flow Cone Apparatus

Standards

ASTM C; EN 445

Product Code

JG Flow cone apparatus

Used for determining the flow properties of mortars, grouts, muds and many other type of fluid materials. The apparatus, as prescribed by ASTM C .

Cone top dia 178 mm.
Funnel conical lenght 190 mm.
Funnel upper collar lenght 75 mm.
Nozzle dia. 12,7 mm.

Comes complete with stand adjustable in height, nozzle and plastic graduated cup.

Flow Cone

Standards

EN 445-NF P18-358;P18 507

Product Code

JÇ- 011/15 Flow Cone

Used for viscosity and fluidity determinations of mortars, muds, grouts fluid materials, etc. Mortar fluidity is considered suitable when the flow time of 1000 cc of mortar is comprised between 17 to 25 seconds. Entirely brass made,it is supplied complete with four interchangeable nozzles dia.8 -9 -10 -11 mm. Stand adjustable in heigh, plastic graduated cup.

Cone top dia. is 155 mm, total lenght 290 mm, capacity 1700 cc.
Weight:10 Kg

Lever Support

Standards

EN 13294;TS EN 1015-9

Product Code

JÇ- 035 Lever Support

LEVER SUPPORT (drill-holder type)
Complete with washer and penetration rod brass made, clamp and locking support
Used for the determination of stiffening time on products and systems for the protection and repair of concrete structures.
Dimensions: 380 x 300 x 500 mm.
Weight: 12 kg.

Manuel Mortar Mixer

Product Code

JÇ- 002 Manuel Mortar Mixer
JÇ- 002/1 Beater
JÇ- 002/2 Mixing Bowl 5 liters

The mixer has been designed to mix mortars and cement pastes primarily to the requirements of standards.
The mixing head rotates in the speed of 62 and 125 r.p.m. and the beater 140 and 285 r.p.m
The user can choose speeds easily by using switch fitted to the machine.
The mixer is supplied complete with 5lt capacity bowl and the beater.
220 V, 50-60 Hz
Dimensions: 300x555x610 mm
Weight : 54 Kg.
Power : 250 W.

Automatic Programmable Mixer

Standards

EN 196-1; EN 196-3; EN 413-2; EN 459-2

Product Code

JÇ- 035 JÇ- 003 Automatic Programmable Mixer
JÇ- 003/1 Beater
JÇ- 003/2 Mixing Bowl 5 litersSupport

The mixer has been designed to mix mortars and cement pastes primarily to the requirements of standards. The mixing paddle has a planetary motion and is driven by a motor with a microprocessor based speed and program controller. The mixer can be operated either in an automatic or manual mode. When the mixer is used in the manual mode, the two mixing speeds can be changed by mean of the rocker switch, without switching off the motor.In the automatic mode any of the preset mixing programs may be selected. The mixing head rotates with speed of 62 and 125 r.p.m. and the beater 140 and 285 r.p.m. Automatic Sand dispenser is supplied with machine and thirty seconds after start of mixing sequence sand is automatically discharged in to the mixing bowl. The mixer is supplied complete with 5lt capacity bowl and the beater.
220 V, 50-60 Hz
Dimensions: 300x555x610 mm
Weight : 56 Kg
Power : 250 W

Curing Cabinet

Standards

EN 196-1

Product Code

JÇ- 009 Curing Cabinet

Used for curing tests of cement specimens. The curing cabinet provides 20 ± 1°C temperature and 95% humidity for cement specimens. Internal chamber and racks are made of stainless steel. The temperature is maintained at 20±1°C by a immersion heater and refrigerator unit which are supplied complete with cabinet.
The cabinet is equipped with digital unit which controls and monitors the temperature. The humidity is maintained from 95% to saturation by water nebulisers and also monitored on digital unit.
220 V, 50-60 Hz, 1 ph
Internal Dimensions: 500x600x800 mm (wxlxh).
External Dimensions: 600x700x1500 mm (wxlxh).

Climatic Chamber

Standards

EN 1367,1; ASTM C671; BS 812,124

Product Code

JÇ- 009 Climatic Chamber

Environmental Testing under your control. JEOTEST Test Cabins are developed to simulate real enviromental conditions by controlling temperature, humidity and day & night lighting cycles. By means of their wide temperature and humidity control range various kinds of tests could be performed in different areas. Stability, artificial aging and storage test can be easily done as well.
To ensure maximum durability and reliability, adequate materials were chosen fort he construction of the products. The chamber is made of Stainless Steel. The outer body is made of Epoxy coated Galvanic Steel to resist high humidity levels. The lights are located inside the door and protected with a glass window. There is an also internal glass door which allows controlling the samples without disturbing the temperature and humidity conditions inside the chambers. The insulation becomes more important for the efficiency of the product when cold and hot temperatures are concerned. It is made of high density injected polyurethane. The humidity is produced by the humidity generator and measured by a humidity sensor. The recovery time is fast and humidity measurement is sensitive. The heating function is controlled by PID while cooling and humidity are controlled by proportional system. User friendly control panel includes 128x64 pixel display.
Powerful air circulation system maintains temperature and humidity unifor JEOTEST y and stability even at low temperatures. Directional airflow assures quick recovery after door openings. The state-of-art control system is based on programmable microprocessor technology.
-Program name: There are ten programs memories,
-Temperature: - 20℃/ +60℃
-Humidity Range : %20-%95 Rh
-Time: 0-999 hours – 59 minutes + hold position
-No of Step: 1-9

Micron Air-Jet Sieve Shaker

Standards

EN 933-10

Product Code

JÇ- 032 Micron Air-Jet Sieve Shaker

The Air Jet Machine is suitable for sieving powder and dry grain products by obtaining sieving results between 5 to 4000 microns, by using appropriate test sieves 200 mm dia.
Its working foundation is based on the use of air that tug thin particles to make them go through the sieve.

Allowing to perform many tests (some tens) before being replaced.
The digital electronic microprocessor panel can adjust:
- The sieving time from 0 to 99 minutes
- The vacuum range from 0 to 99 bar

Power supply: 230V 1ph 50Hz
Dimensions: 450 x 600 x 400 mm
Weight: 25 kg

ALPINE Air Jet Sieves

Standards

ASTM E 11; BS 410

Product Code

JÇ- 032/1 ALPINE Air Jet Sieves

İdeal for screening of cement, kaolin, drugs, spices, flour, powder, etc.
Support air jet test sieves of Ø200mm, available from 32µm and 200µm.

Fineness of fly ash by wet sieving

Standards

EN 451-2; ASTM C430

Product Code

JÇ- 032/1 Fineness of fly ash wet

The set, brass made: Consisting of spray nozzle 17,5 mm ID with 17 holes as specified in EN 451-2, a vacuum pressure gauge, 160 kPa graduated at 5 kPa divisions and fittings to attach the apparatus to a standard domestic water supply.
Special sieve, ID 50 mm, Stainless steel mesh 0.045 mm.
Weight: 3 Kg.

Filter Press For Muds

Standards

American Petroleum Institute (API)

Product Code

Filter Press For Muds

This filter press is the most effective means for determining the filtration properties of drilling muds and cement slurries. The filter press consists of a mud reservoir mounted in a frame, a pressure source, a filtering medium, and a graduated cylinder for receiving the measuring filtrate, pack of 100 filter paper
Dimensions: 210x240x500 mm. Weight : 12 kg.

Rheometer for Drilling Fluid

Product Code

Rheometer for Drilling Fluid

Rheometer is a direct-indicating, manually operated, rotational viscometer. The instrument is powered by a hand crank, which drives the spindle through a precision gear train. The shift cam selects between fixed speeds of 300 and 600 RPM. A Knob on the hub of the shift cam determines gel strength. During operation, fluid is contained in the annular space between two concentric cylinders. The outer cylinder, or rotor sleeve, is driven by the hand crank. The inner cylinder, or bob, is restrained by a torsion spring.A dial attached to the torsion spring indicates bob displacement due to friction.
The instrument constants have been adjusted so that plastic viscosity and yield point can be calculated using the 300 and 600 RPM readings.
Plastic Viscosity (cP) = 600 RPM reading – 300 RPM Reading
Yield Point (lb/100 ft2) = 300 RPM reading
Plastic Viscosity Apparent Viscosity, cP = 600 RPM reading / 2
Dimensions: 240x140x400 mm.
Weight : 11 kg.

Air Content Meter

Standards

EN 196-1,413-2,459-2; BS 3892;ISO 679

Product Code

JÇ- 033 Air content meter (1 lt)

Designed to deter mine the air content in cement mortar, cement paste and lime mor tar.
Made from cast aluminium, the test pot one litre capacity and the upper par t are air-tight sealed by means of two quick action spring clamps. The whole is connected to a dial gauge directly indicating the air entrainment in ercentage, withrange 0 - 50%. A built-in operated air pump is also included.
The push-buttons TEST and CORRECTION are arranged to perform the test in a simple and quick system.
Dimensions: dia. 200 by 320 mm.
Weight: 4 kg.

Bulk Density

Standards

EN 459-2

Product Code

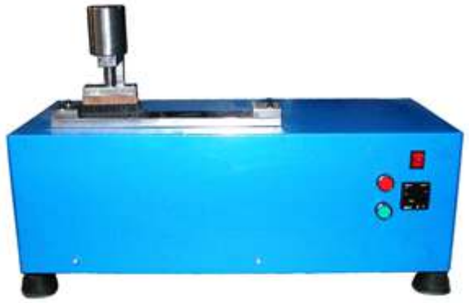
JG-403 Bulk density

Consists of a 1 litre capacity cylindrical container, filling ring with opening and hopper with spring-loaded trap.
Dimensions: 150 x 150 x 400 mm.
Weight : 5.5 kg.

09

MEMBRANE

Adhesion Test Device



Product Code

JT-YLT/001 Adhesion Test Device

The test device on bituminous membranes abrasive insulation material used to make the bond test. Load of 25 Newtons applied on the test specimen 6.6 specified in the standard-quality polyamide with the 4000 mm square area through brush 55 is applied again.the test specimen before and after the experiments weighted with a weight of 0.01 grams weighing precision is the result.
There are counter indicator, safety sensor for door and on-off button on the device.
Power : 220 volt 1 hp 50 hz.
Dimensions: 300x290x75. 5 0mm.
Weight : 45 kg.

Water Permeability Tester

Product Code

JT-YLT/005 Water Permeability Tester

Made of aluminum metal the cell.Dia.:150mm.
Manuel pressure pump.
Glass plates.
Pressure pressure gauge.
Dimensions : 500 x 365x 345 mm.
Weight : 20 kg.

Vacuum Machine

Product Code

JT-YLT/005 Vacuum Machine

Vacuum chamber made of brass material the cell Dia:120 mm.
There is 100 mm dia plexiglass material on the cell. There is 20 mm dia plexiglass tube under the cell.
Pressure gauge.
The flowrate of vacuum pump 3m3/time.
The vacuum pumping capacity 150milibar
Engine power 0,10kw
Digital time relay 99:59hour 99:59minute 599:9second
Dimentions : 500X400X350 mm.
Weight about : 50 kg.

Static Load Application Tester

Product Code

JT-YLT/002 Static Load Application Tester

The machine used for implement to vertical load on the sample
The distance between the Weight on the sample and loading ball : 40mm
Loading bar and puncturing ball be calibrated to 2 kg
Loading disks; 1 pcs 3kg, 3 pcs 5kg
Diameter of puncturing ball :10 mm Hardness of puncturing ball : 50 HRC
Polystyrene material (dimensions: 50x500x500mm) implement to method A
Concrete plate (dimensions: 300x300x30mm) implement to method B
Dimensions : 700x700x550 mm
Weight : 50 kg (app.)

Falling Weight Impact Tester

Product Code

JT-YLT/003 Falling Weight Impact Tester

25X25 mm size wood + profile body guiding profile.
Scaling is scaled with polystyrene and aluminum.
10 mm diameter and 40 mm long as weight falling piston.
50 HRC hardness of 12.7 mm diameter drill bit
Height of drop: 200 mm - 2000 mm controllable.
200 mm - 500 mm; 50 mm accuracy.
500 mm to 100 mm to 1000 mm precision.
Concrete plate : 50x400x400 mm.
Dimensions : 450x600x2550 mm.
Weight (app.) : 70 kg.

Tensile Testing of Polymeric Membranes

Product Code

JZ-016/Ç1 Tensile Testing of Polymeric Membranes

The JZ-016/Ç1 is designed to be used in Laboratories for Quality Control and Research on Plastics, Bituminous membranes and Compossed Materials.
The machine comprises a compact two column frame with adjustable upper cross beam driven by an electro-mechanical ram with a maximum capacity of 50 kN and a data acquisition system.
The measuring system consists of a 20 kN capacity strain gauge load cell is fitted to the upper cross beam.
The distance between grips 30 cm and grips' width is 5 cm which is appropriate
TS 13047 samples.
Adjustable loading speed.
Comes complete with grips device.

CONVERSION TABLE

PRODUCT LIST INDEX

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CONVERSION TABLE

FORCE

1 N	= 0.101197 kgf
	= 0.224809 lbf
1 kN	= 1000 N
	= 101.971
	= 224.809 lbf
	= 0.1011971 t
1 kgf	= 9.80665 N
	= 2.20462 lbf

MASS

1 kg	= long: 0.01968413 cwt; short 0.02204622 cwt
	= 2.20462 lb
1 g	= 0.03527 oz
1 t	= 1000 kg
	= long: 0.984221 ton; short: 1.102311 ton
1 cwt	= long: 50.802424 kg; short: 45.35989 kg
1 lb	= 0.45359 kg
1 oz	= 28.349 g

CAPACITY, VOLUME

1 m^3	= 1.30795 yd^3
1 dm^3 (litre)	= 0.03531 ft^3
	= 1.7605 pint
	= 0.21997 imp gal
	= 0.2642 US gal
1 cm^3 (ml)	= 0.06102 in^3
	= 0.0352 fl z
1 yd^3	= 0.76455 m^3
1 ft^3	= 28.3168 dm^3
1 in^3	= 16.3871 cm^3
1 imp gal	= 4.54609 dm^3
1 US gal	= 3.78541 dm^3
1 pint	= 0.56826 dm^3
1 fl oz	= 28.4131 cm^3

LENGTH

1 m	= 1.0936 yard
	= 3.281 ft
	= 39.370 in
1 km	= 0.6214 mile
1 yard	= 0.9144 m
1 ft	= 30.48 cm
1 in	= 25.4 mm
1 mile	= 1.6094 km

PRESSURE, STRESS

1 1 Pa (N/m^2)	= 0.01 mbar
	= 0.000145 lbf/in^2 (psi)
1 kPa (kN/m^2)	= 0.01 kgf/cm^2
	= 10 mbar
	= 20.885 lbf/ft^2
	= 0.2953 in Hg
1 Mpa	= 10.2 kgf/cm^2
1 lbf/in^2 (psi)	= 0.07031 kgf/cm^2
	= 6.89476 kPa
1 lbf/ft^2	= 47.8803 Pa
1 $tonf/ft^2$	= 1.094 kgf/ cm^2
	= 107..252 kPa
1 bar	= 100 kPa
	= 14.5038 lbf/in
1 mbar	= 100 Pa
	= 2.0885 lbf/ft2
1 atm	= 101.325 kPa
	= 14.6959 lbf/in^2
1 mm Hg (torr)	= 133.322 Pa
	= 0.01934 lbf/in^2
1 mm H^20	= 9.80665 Pa

DENSITY

1 kg/m^3	= 1.686 lb/yd^3
1 g/cm^3	= 62.4280 lb/ft^3
1 ton/yd^3	= 1328.94 kg/m^3
1 lb/yd^3	= 0.593 kg/m^3
1 lb/in^3	= 27.6799 g/cm^3

ENERGY

1 MJ	= 0.277778 kWh
1 J	= 0.737562 ft lbf
1 kgf m	= 9.80665 J
1 Btu	= 1.05506 kJ

www.jeotest.com.tr

JEOTEST
TESTING EQUIPMENT
FOR CONSTRUCTION MATERIALS

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VE SERVİS HİZMETLERİ SANAYİ VE TİCARET LTD. ŞTİ.

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